

LA SALLE

COLLEGE BULLETIN 68

*More than buildings, more
than books, more than lectures
and examinations, education
is a matter of people.*

*It is the people who make up
La Salle – the students and the
teachers – who give the
college its character.*

PHILADELPHIA, PENNSYLVANIA

La Salle College Bulletin

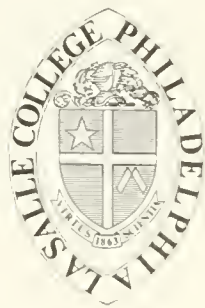
CATALOGUE ISSUE 1967-68

A LIBERAL ARTS COLLEGE FOR MEN

CONDUCTED BY

BROTHERS OF THE CHRISTIAN SCHOOLS

PHILADELPHIA, PENNSYLVANIA



ACCREDITATION AND MEMBERSHIP

La Salle College was chartered in 1863 by the Legislature of the Commonwealth of Pennsylvania and is empowered by that authority to grant academic degrees. It is accredited with the Middle States Association of Colleges and Secondary Schools, the Pennsylvania State Department of Public Instruction, the Regents of the University of the State of New York, the American Chemical Society, and the Pennsylvania State Board of Law Examiners.

The College is a member of the American Council on Education, the Association of American Colleges, the College Entrance Examination Board, the American Association of Collegiate Registrars and Admissions Officers, the Association of College Admissions Counselors, the National Catholic Educational Association, the College and University Council of Pennsylvania, the Association of Liberal Arts Colleges of Pennsylvania for the Advancement of Teaching, the Pennsylvania Catholic Education Association, the American Library Association, the National Commission on Accrediting, the American Catholic Historical Society, the Educational Conference of the Brothers of the Christian Schools, and the National Association for Foreign Student Affairs.



Contents

A Profile of La Salle	7
General Reference	20
Qualifications for Admission	21
Expenses	28
Academic Programs and Procedures	31
School of Arts and Sciences	
The School	43
Programs of Study	44
School of Business Administration	
The School	92
Programs of Study	93
Scholarships and Awards	103-107
Administration of the College	108
Faculty of the College	112
Index	125-128
Calendar	IBC



On Entering College

In planning your educational future, you are probably confronted with endless questions. Not the least of these is the question of choosing a college. One of the major purposes of this catalogue is to provide you with sufficient information about La Salle to help you decide whether it is the right college for you.

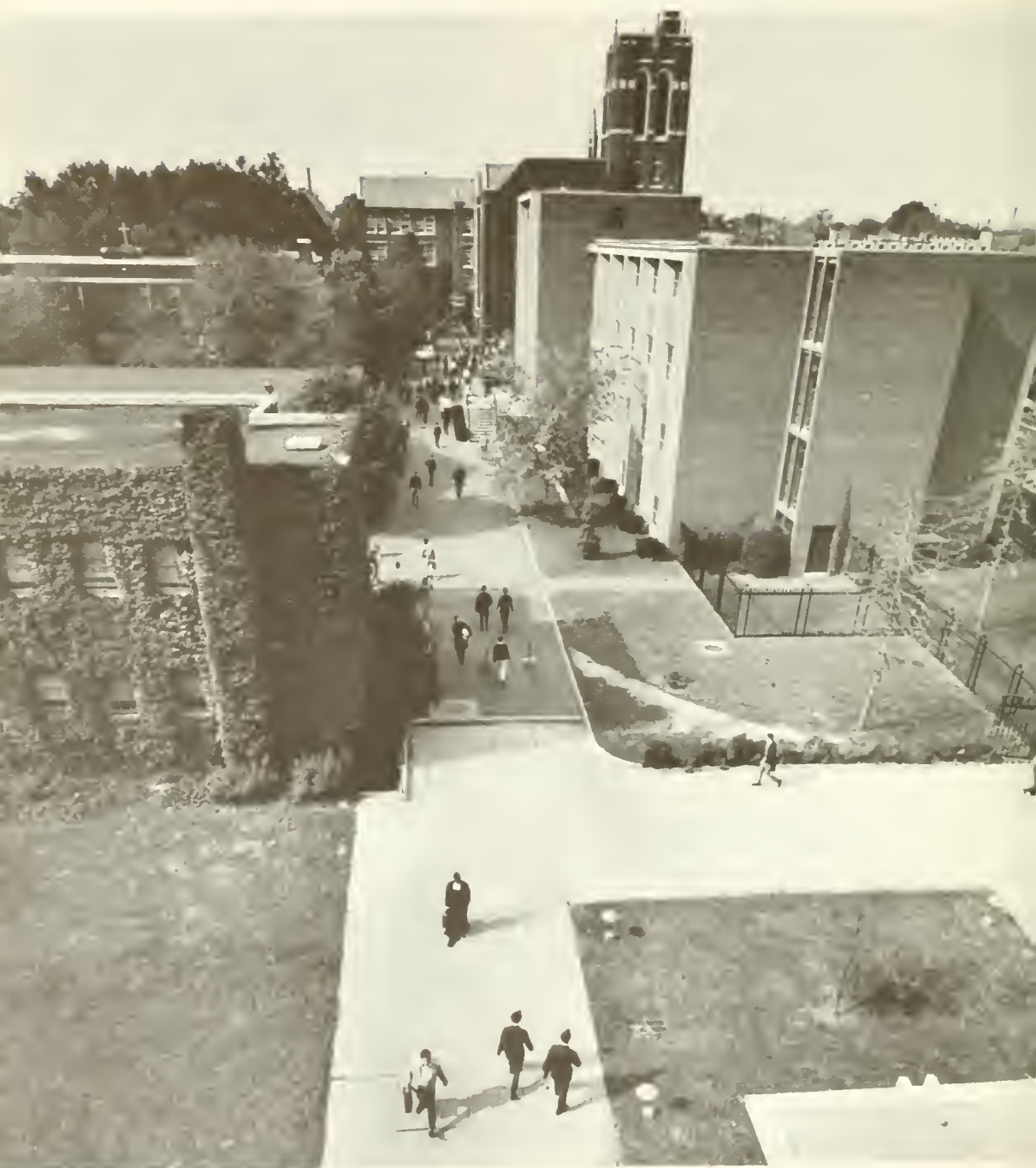
La Salle College is a Catholic college for men, founded in 1863 and conducted by the Brothers of the Christian Schools, a religious order dedicated solely to teaching. The college is located at Twentieth Street and Olney Avenue, Philadelphia, Pennsylvania.

The first part of this book, "A Profile of La Salle," attempts to tell you in words and pictures what you can expect when you come to La Salle. The second part is a reference section in which you can find requirements for admission, probable expenses, course descriptions, and other useful information.

This catalogue, however, can only begin your introduction to La Salle. We invite you to visit the campus to complete your introduction, to talk with faculty members and administrators, to find out for yourself the answers to any questions not covered here. Write the Office of Admissions to arrange such a visit.

Brother Daniel Bernian, F.S.C.

President, La Salle College



A Profile of La Salle

The Historical Side

La Salle College was founded in 1863 by a group of Brothers, priests, and laymen. The nucleus for the new college was the Academy conducted by the Christian Brothers as an adjunct to St. Michael's School. Later the College moved downtown to a site in the shadow of City Hall. Outgrowing that location, La Salle moved north on Broad Street and began a 43 year stay at the Bouvier Mansion. This dignified old brownstone at 1240 North Broad Street had been the home of Mrs. Jacqueline Bouvier Kennedy's ancestors.

In 1929, the expanding College made its last move. The new site on the edge of Germantown was part of historic Belfield Farm, once the home of American painter Charles Willson Peale. The College experienced some difficult years in its new home as first the Depression, then the War depleted the student population.

Just before the war ended, La Salle's enrollment was 90 students. A year later the campus was bulging with 1200 veterans and a new chapter in La Salle's history had begun. In meeting the postwar demand for education, La Salle became virtually a new college.

A small college no more, La Salle reorganized its administrative structure in keeping with its new size. In 1946, the Evening Division was founded, meeting the needs of the metropolitan area so well that its present enrollment equals that of the day division.

The face of the campus began a transformation that shows no sign of ending. First came a new library, then an unending procession of residence halls, a College Union, a Science Center, a student chapel, and still more residence facilities. In the planning stage at present are a classroom building, a physical recreation building, and a biological field station.

This remarkable physical growth has been matched by a comparable academic development. Studies have shown a continuing improvement in the credentials of each new class. A thriving Honors program is in operation. A \$400,000 library development program has substantially increased the library's holdings. The curriculum has been revised to provide greater flexibility and emphasis on individual effort. Faculty benefits and scholarship aid to talented students have both increased. An exhaustive self-study conducted by the College between 1963 and 1966 analyzed past progress and present and future needs, culminating in a ten year plan for continued improvement in every facet of teaching and learning.

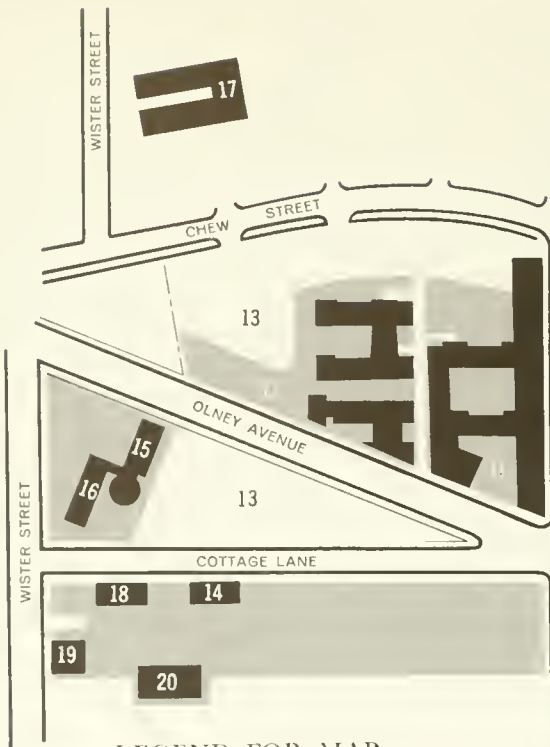


The Physical Side

La Salle College is spread over forty acres of ground at the crest of a hill at Twentieth Street and Olney Avenue on the edge of historic Germantown. To the south you look out over the expanse of trees that is Wister Woods. Looking east, you can barely make out the busy scene that is Broad Street. The campus may best be described as a blend of city convenience and suburban atmosphere. The location can be easily reached by automobile or public transportation from anywhere in the Philadelphia area or from surrounding sections of New Jersey as far north as Trenton. Yet the peaceful atmosphere of the campus is set by the quiet green wooded areas that border it on two sides.

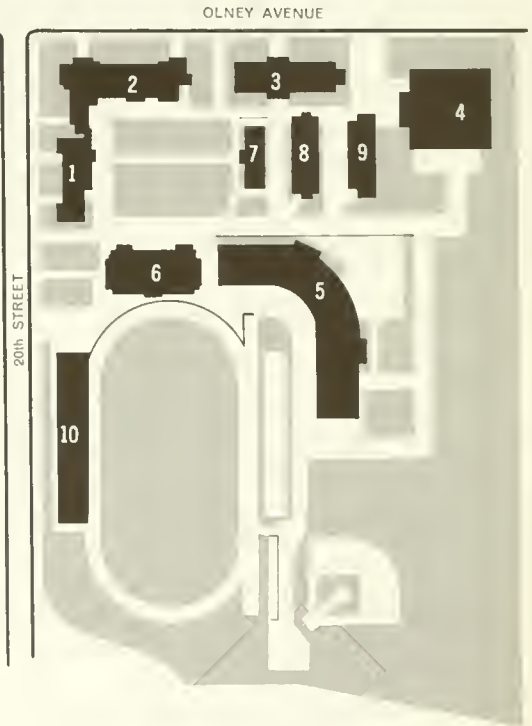
La Salle is fortunate too in having ready access to the educational facilities of the Philadelphia area. "The Old Capital" contains rich cultural resources in art, music, and history. Its many libraries, museums, historic buildings, and great educational institutions offer a magnificent heritage to the student. Nearby Germantown is the site of beautiful old homes and memorable locations dating back to Revolutionary times.

La Salle College Campus



LEGEND FOR MAP

- 1 Faculty Building
- 2 College Hall and Student Chapel
- 3 Library
- 4 Science Center
- 5 College Union Building
- 6 Wister Hall
- 7 McShain Hall
- 8 Leonard Hall
- 9 Benilde Hall
- 10 McCarthy Hall
- 11 Residence Hall Complex
- 12 Infirmary
- 13 Parking Area
- 14 "The Mansion"
- 15 St. Edward Residence Hall
- 16 St. Francis Residence Hall
- 17 La Salle Hall (Residence Halls for Upperclassmen)
- 18 Music Studio - Shaw House
- 19 Alumni and Development Offices
- 20 Art Studios



Visually, the most striking thing about the campus is the contrast between the traditional Gothic structures and the more functional lines of contemporary architecture. The contrast might be considered symbolic of the character of La Salle College with its century-old tradition and amazing post-war renaissance.

First of the post-war buildings to go up was the library. This modern air-conditioned structure is already cramped for space, with a collection of 126,000 volumes and periodical files of some 525 journals.

The College Union, a great curving structure enclosing a portion of the stadium, was next to be built. The Union is probably the busiest place on campus. Here you can eat a meal, get a haircut, buy some books or clothes, see a performance by a visiting celebrity, listen to a concert in the Music Room, or perhaps even meet your future wife at a dance in the ballroom.

The Science Center, with its vast expanses of white marble, contrasts even more sharply with the predominantly brick buildings. Inside are the well-equipped laboratories and lecture rooms so necessary to a vital science program.

The residence halls, as the adjoining map indicates, are slightly removed from the busy classroom areas. Were it not for a few signs, you might easily mistake them for a new apartment development. In themselves they constitute a small city of 800 men, sharing an experience of living together and learning what college is all about.





The Human Side

More than buildings, more than books, more than lectures and examinations, education is a matter of people. It is the people who make up La Salle—the students and the teachers—who give the college its character. You may well ask, “What are they like, these people with whom I may spend my next four years?”

The students at La Salle come from some 150 public and private schools, most of them in the northeastern part of the United States. The majority come from a middle-class background and have a strong desire to prepare for a particular career. Studies indicate that about 60% plan graduate work in their field. There is a common bond between majors in a particular subject field that often ripens into permanent friendships.

Your teachers at La Salle are Christian Brothers, priests, and lay professors. All of them share the same goal: to be of as much help to you, the student, as they can be. St. La Salle's dedication to teaching is the informing spirit of the college, and you will be conscious of this spirit in the willingness of your professors to give that extra moment of explanation or advice which can mean so much. While many of these men are engaged in their own scholarship or research, their primary focus is always the classroom and their basic obligation is to you, the student.

Making the transition between high school and college is never easy, but at La Salle you will find many people who want to help, and who understand some of the problems you face perhaps better than you do yourself.

During the summer months preceding the start of classes you will be invited to participate in a counseling program. Several forms will be mailed to you to complete at home and these will become part of your personal file in the Counseling Center. Later you will come to the campus for a full day of conferences with a Dean, a member of the military science staff, and the counselors. At this time you will have an interview with your counselor to discuss your educational and career plans. Besides this initial counseling program, the Counseling Center offers continued diagnostic and counseling services throughout your college years. If you are unsure of your major or of your vocational plans, the staff is happy to assist you in making a sound choice based on your own interests and capabilities. The Center also offers personal counseling when requested, provides you with information about graduate and professional schools, keeps an up-to-date file of occupational information, extends psychiatric evaluation service, and generally seeks to meet your needs in guidance and counseling.



Before the beginning of regular classes in September, there is a special orientation period for freshmen to introduce you to some of the people, places, and attitudes you will find important to your college career. Faculty and student advisers will try to help you improve your study habits, your note-taking, and your ability to plan ahead. A recent popular innovation in the orientation period is a seminar discussion of one of your summer readings. These lively sessions under direction of faculty members are meant to be stimulating introductions to the pleasures of intellectual exploration. Orientation days also provide the opportunity for meeting your counselor, a professor designated to advise you on matters affecting your academic well-being. You will also meet upperclassmen representing the various activities who will suggest the clubs they feel are most important to your social well-being.

Nor is your physical well-being neglected. A College physician is always on call, and a registered nurse is in daily attendance in the Infirmary. Resident students are required to have a yearly physical examination, and medical insurance is available and recommended to all students.

In your senior year, if not before, you will become acquainted with another person who works for your benefit, the Director of the Placement Bureau. His office exists to help you find employment after graduation or part-time work while you are attending college.

All in all, you will find the human side at La Salle an important part of your education. Long after you have forgotten painfully memorized facts from a textbook or lecture, you will remember the teachers and students with whom you associated in your college years.

The Social Side

Although the social life at La Salle is varied and appealing, you will be a wise freshman if you keep it in perspective. The activities and sports you participate in may enhance your education or prevent it. If you choose your activities carefully and do not permit them to interfere with your serious purpose, you can make the social side of college an invaluable part of your educational development.

Each of the activities, sports, and social and cultural events distributed through the school year represents hours of practice or preparation. In these hours, dedicated students often learn things that supplement their classroom experiences. They learn to discipline themselves toward achieving a goal; they learn to work in close association with other men; they learn judgment and responsibility. And sometimes they simply learn how to relax and relieve the tensions of the daily grind.

All of these things are important in rounding out an education. You will miss something out of college life if you pass them all by. Athletics, for example, may be for you a real outlet of energies and tensions, whether you are participant or spectator. The athletic program at La Salle is arranged to allow competition at various levels, both intercollegiate and intramural. Varsity teams in basketball, baseball, swimming, track, cross-country, crew, soccer, and golf have been leaders in their fields. The basketball team is nationally known, and several brilliant individual performers in other sports have represented the United States in the Olympic Games.



Besides athletics, the social side of La Salle includes events ranging from lectures and concerts to dances and shows. The College Union, with its fine theater and ballroom facilities, is the focal point for most of these activities. Among guest performers in the past have been pianist Susan Starr, actors Hal Holbrook and Basil Rathbone, folk singers Leon Bibb and Odetta, and bandleaders Stan Kenton and Count Basie. The College also sponsors a professional Music Theater each summer which has earned critical acclaim for its productions of Broadway musicals.

Your Student Handbook will give you a complete list of the various clubs and activities, some of which will certainly interest you. If you participate sensibly, without losing sight of your primary goal, your educational experience will be that much richer.

A scene from Music Theater's production of Lerner and Lowe's "Camelot."





The Academic Side

If you are like most high school students, it is not easy for you to imagine just what your school day at college will be like. One thing you know: it will be quite different from the traditional high school day of five or six classes in a row. Let us imagine, then, a typical schedule at La Salle.

To begin with, your day will not always start at the same time. Sometimes you will have a first period class at 8:30; other days your first class might be at 2:30 in the afternoon. Neither will you have the same schedule of classes each day. On Monday you might have only two classes, while on another day you will have four. On the average, you will spend eighteen hours a week in actual class attendance as compared to the thirty or more hours spent in high school classes. Obviously, you will have much more "free time" on your hands, and it is the way you use this free time that is the key to your academic success.



The most important adjustment to collegiate life you will have to make is in learning to budget your time wisely. No one will force you to learn; no one can. Instead, you will be treated as a mature, intelligent young man. You will be given assigned readings, papers, and projects in research to be turned in by a certain date. You yourself must plan when these assignments will be done; you yourself must bear the responsibility for meeting standards set by your instructors.

The standards for academic achievement are treated in some detail in the reference section of this catalogue and need not be discussed here. The important thing for you to realize about the academic side of your college life is that it is the central test of your maturity and sense of responsibility. Learning is sometimes hard work, but it is the most rewarding kind of effort, not only in grades but in the self-satisfaction of having met a difficult challenge successfully.

But the academic side of college is not just a bleak picture of "challenges," "responsibilities," and "standards." The academic side really offers one of the deepest, most lasting joys a man can experience—the joy of understanding.

Suddenly some part of human experience fits into a pattern for you; suddenly you understand "why." The best part of the joy of understanding is that it is endless. The deeper your understanding goes, the deeper the satisfaction you experience.

Perhaps you haven't yet discovered this kind of joy; you may even doubt that it exists. Yet when you first experience it, you will begin to understand what education is all about and why many men willingly devote their lives to study and research.

The Philosophical Side

La Salle College is a group of buildings—brick, marble, limestone—situated on a hill overlooking Wister Woods. But it is also a great deal more. It is the embodiment of several great educational traditions: the American tradition of educating men in the foundations and spirit of democracy and the roots of western civilization; the La Sallian tradition of dedicated teaching and concern for the individual, dating back to St. John Baptist de La Salle, founder of the Christian Brothers; and the Catholic tradition of striving for the perfection of one's God-given intellectual powers.

In the light of these traditions, La Salle offers students an education founded on the idea that man's intellectual and spiritual development go hand in hand, complementing and fulfilling one another. The basic purpose of the College is a free search for truth and the development of materials and skills necessary for the search; its religious concern is an extension of that purpose. In a company of mature teachers and scholars, the College urges the student to confront the ultimate questions of human experience: who he is; where his destiny lies; how he is to reach it.

La Salle is committed to a liberal education of both general and specialized studies. It wants its students to liberate themselves from narrow interests and prejudices and to learn to observe reality with precision, judge events and opinions critically, think logically, communicate effectively, and sharpen esthetic perception. The curriculum involves a body of knowledge about the universe; about man—his nature, behavior, and values; about God. It also provides an opportunity to gain specialized knowledge in one field of learning as a preparation for graduate study or entry into professional life. Beyond this breadth and depth of knowledge, the College encourages its students to seek wisdom, that is, to grasp those basic principles which can give order to particular facts.

As a private Catholic college, La Salle pursues these aims in a religiously diverse community of teachers and students interested in studying secular subjects in their autonomy, undertaking theological study in a systematic way, and investigating what interrelations these subjects may have. The community also engages in programs in which the students' personal, social, and religious values may take root and in which the students may grow in mature attitudes and behavior in all human relationships. The ultimate hope of the College is that its graduates will be ready for informed service and progressive leadership in their communities and will be able to fulfill the immediate and final goals of their lives.

General Reference



Qualifications for Admission

If you are well-motivated toward a college career and can show evidence of high academic achievement and ability, there is a good chance that the Admissions Committee will look with favor upon your application. In arriving at its decision, the Committee studies your high school record and the scores of your College Entrance Examination Board Tests, together with recommendations from your high school faculty, guidance counselor, and principal. The following are the specific requirements for admission:

A. HIGH SCHOOL UNITS.

Applicants for admission must present a minimum of sixteen units of high school work which should include the following:

English	4 units
Mathematics:	
Algebra & Plane Geometry <i>or</i>	
Two years of Algebra	2 units
History	1 unit
Natural Science	1 unit
Foreign Language	2 units
	10 units



The remaining six units may be distributed as follows:

1. Applicants for the *Liberal Arts* program may present six other units in academic subjects.
2. Applicants for the *Science and Mathematics* program may present six other units in academic subjects but including an additional unit in algebra and one-half unit in trigonometry.
3. Applicants for the *School of Business Administration* may present six academic or commercial units, excluding typing.

B. LANGUAGE REQUIREMENTS.

All applicants should present two units in the same foreign language.

C. ADDITIONAL REQUIREMENTS.

Applicants to the freshman class are required to take both the morning and afternoon tests given by the College Entrance Examination Board:

- a. Morning Program—Scholastic Aptitude Test.
- b. Afternoon Program—
 1. English Composition.
 2. Mathematics.
 - a. Level I (Standard)
 - b. Level II (Intensive)
 3. Foreign language (to be taken by those who wish to continue the study of the language in college).

The results of the morning tests are used to determine the applicant's qualifications for admission; results of the English Achievement Test are used to supplement secondary school records and other test scores. These and the remaining required Achievement Tests are also used for placement in course programs.

Applicants for the fall term should take the morning tests in December, January, or March. The tests are also administered in May and July, but these may be too late for those who wish to apply for the following fall term.

Applicants who will live on campus must take the College Board Scholastic Aptitude Test no later than January of their senior year.

The English Composition Achievement Test should be taken no later than January of the senior year.

The required Mathematics and Foreign Language Tests may be taken on the same date, or postponed no later than the May testing date.



Four to six weeks prior to the date of the tests the candidate for admission should write to

The Educational Testing Service
Box 592, Princeton, New Jersey 08540
or Box 1025, Berkeley 1, California 94701.

Arrangements may also be made through the principal or guidance counselor of the applicant's high school.

Candidates for admission must request the Testing Service to forward test scores to the Office of Admissions, La Salle College, Philadelphia, Penna. 19141. The College Board (CEEB) and the College Scholarship Service (CSS) code number assigned to La Salle College is 2363.

EARLY ACCEPTANCE PLAN FOR HIGH SCHOOL JUNIORS

The Committee on Admissions will consider a qualified applicant for an early acceptance one year before he will be graduated from a secondary school. The following credentials are required for this evaluation:

1. A completed application to La Salle College.
2. A transcript of his three-year high school scholastic and personality records.

3. The results of the College Board Scholastic Aptitude Test taken during his junior year or the following summer.

The successful early applicant must finish his senior year of high school with creditable grades, receive his diploma, and take the required College Board Achievement Tests for placement in his chosen course programs.

ADVANCED PLACEMENT PROGRAM

La Salle College participates in the Advanced Placement Program of the College Entrance Examination Board. Consequently, the College agrees to give credit and/or advanced placement to students who perform satisfactorily both in college level courses taken in secondary school and in the advanced placement examinations administered by the Board. The equivalents for the grading scale are:

- 5 or 4 = Advanced Credit and Advanced Placement.
- 3 = Same, on recommendation of departmental head.
- 2 = Advanced Placement only on recommendation.
- 1 = No Advanced Placement or Advanced Credit.



TRANSFER STUDENTS

Each year a limited number of transfer students will be admitted. The number is limited by available space and academic restrictions. Candidates for admission from colleges which offer courses of study similar to those of La Salle College should submit a transcript of high school work and college work as soon after applying for admission as is possible. All transfer students are required to submit the results of College Entrance Examination Board Tests. A letter of appraisal from the Dean of Men of the college or university attended is recommended in most cases.

All of these records should be in the Admissions Office at least sixty (60) days prior to the beginning of the semester for which the student is applying.

The previous college record of the applicant must indicate good academic standing. No applicant will be accepted whose transcript reads "Academic Probation" or "Academic" or "Disciplinary Dismissal."

A student applying for transfer from a fully accredited college or university should have a grade point average of 2.25 or higher (on a 4.00 scale). Transfer applicants from colleges which have applied for regional accreditation will be considered if their grade point average is 2.75 or higher (on a 4.00 scale).

No credit is allowed for courses offered with the lowest passing grade given at the institution from which the applicant is transferring.

A transfer student may be required to make up certain courses which belong to the sequence required in the program of studies for which he is applying. End of course examinations may be required to obtain credit in some areas.

La Salle College participates in the newly established College-Level Testing Program of the College Board. Qualified transfer students and others with advanced preparation who wish to be considered for advanced credit through this Program should write for information to The College-Level Testing Program, Educational Testing Service, Box 972, Princeton, N.J. 08540.

No student admitted to advanced standing will be permitted to graduate unless he has completed his senior year as a full-time student at La Salle College.

APPLICATION FOR ADMISSION

You may secure an application form from the Office of Admissions. When you receive this, you will also receive another form which is to be mailed directly to the College by your high school principal. The Office of Admis-



sions will notify you as soon as possible after a decision has been made on your application. If accepted, you are asked to send along a \$50.00 deposit with your confirmation; this amount will be credited toward your tuition when you register and attend, but will be forfeited if you do not.

ACCOMMODATIONS FOR RESIDENTS

If you live beyond commuting distance and are unable to live at home or with relatives close to the campus, you will live in the College residence halls. After indicating on your application your intention to live on campus, you should reserve your room when you confirm your acceptance with the required residence hall deposit.

Half of the \$50.00 deposit on acceptance is credited to your Damage Deposit Account; the remaining \$25.00 is credited to your room and board fee. Loss or damage of residence hall equipment as a result of negligence or improper use will be charged against this Damage Deposit. Should you voluntarily decide not to occupy the room you have reserved, the entire advance deposit is forfeited.

The residence halls are attractively furnished with all necessary furniture and bed linens. You supply your own blankets and personal linens. You must also take care of personal laundry, dry cleaning and pressing. Many of the personal items needed, such as toilet articles, laundry cases, towels, and sportswear, may be purchased at the Campus Store.

Occupancy may begin the day before registration begins and continue until the day after the final examination; or, in the case of seniors, until the day after commencement. Residents are permitted cars on campus provided they have parental permission.

When you live on campus, your meals are served cafeteria-style in the College Union dining halls. Since meals must be planned on the basis of total participation by the resident community, no adjustment in fees can be expected for meals not taken on campus. Special diets for medical reasons may be arranged through the Director of Food Services. The dining halls are not open during school recesses at Thanksgiving, Christmas, Easter, or between semesters. Students on campus during these periods must purchase their meals elsewhere.

Each residence hall has several public phones. Calls for residents should not come through the College switchboard.

Recreation for residents includes a variety of sports, the games facilities of the Club Room, a fine films program, and a number of dances and social events.

REGISTRATION

Registration takes place during the week before classes begin in September. You will receive notice and complete instructions ahead of time. For students already in attendance, there is a pre-registration period for the following year during the Spring semester. When pre-registering, the student should keep in mind the fact that certain courses, especially in English and Languages, are offered in alternate years. Information about specific course offerings may be obtained from course advisors or from the Dean of your School.

Students who register or pre-register late must pay a penalty fee of ten dollars.



Expenses

In planning your college career, you will want to think carefully about the expenses to be met and the means at your disposal to take care of them. The College has traditionally struggled to prevent the rising cost of education from depriving worthy students of attendance; a number of scholarships are offered, part-time campus jobs are available, and, most important, a flexible bank loan plan has been instituted to make it possible to meet expenses in a series of regular payments.

The 1967-68 tuition for students carrying a normal schedule (as prescribed by the curriculum) is as follows:

Programs in liberal arts or business administration	\$1150.00
Programs in the sciences	\$1250.00

There are no additional fees for matriculation; registration; use of laboratories, library, athletic facilities, or dispensary services; participation in student activities; the student newspaper; or the student identification card for admission to athletic events. However, in the face of rising costs, La Salle College must reserve the right to amend or add to the charges at any time and to make such changes applicable to students presently enrolled as well as to new students.





Those taking less than a twelve credit hour schedule or more than the normal schedule will be charged at the rate of \$30.00 per semester hour.

The cost of room and board for resident students is \$900.00 a year. (Freshmen pay \$925.00 to cover the extra orientation week.) This expense may be taken care of through the Bank Loan Plan, the Guaranteed Loan Plan, or a National Defense Student Loan. Information on these programs can be obtained from the Financial Aid Office of the College.

All new students—freshmen, and transfers from other colleges or from La Salle's Evening Division—should bear in mind the \$25.00 fee for counseling services. This fee covers all counseling and testing services provided by the Counseling Center throughout the time you are at La Salle, including the Pre-College Counseling Program which is required of all new students.

The books and supplies you will need can be purchased at the Campus Store. The estimated average cost of these items for the school year is about \$60.00. If you are not presently covered, you may also wish to enroll in the Surgical-Medical Group Insurance Plan at a cost of \$48.00 yearly. Further information is available from the office of the Vice-President, Student Affairs.

FINANCIAL ARRANGEMENTS

Most students or their parents plan to meet educational expenses either out of savings or out of income. At La Salle you may choose your financial arrangement accordingly. You may pay the full amount on the day of registration. (One-half the yearly tuition fee falls due on the day of registration.) On the other hand, you may wish to take advantage of the La Salle College Bank Loan Plan to pay tuition in regular installments over a fixed period of time. Many parents prefer this plan because it spreads the cost over current income. The plan is flexible and can be adjusted to the level of income. You can enter it at the beginning of any term during your college career. You may, for example, be able to pay for your first year out of savings but then enter the Loan Plan to finance the remaining three years out of income. You can obtain complete information on the College Bank Loan program from the Financial Aid Office.

NATIONAL DEFENSE STUDENT LOAN PROGRAM

A limited sum has been provided by both La Salle College and the Government of the United States for the purpose of making loans to students under the provisions of the National Defense Student Loan Program.

Students seeking information regarding eligibility and application should address their inquiry to the Financial Aid Director, La Salle College, Philadelphia, Pennsylvania 19141.

GUARANTEED LOAN PROGRAM

This program, which is similar to the National Defense Student Loan Program, was authorized by the Higher Education Act of 1965. Under this program, the student borrows directly from a bank or other financial institution instead of through the College. The major advantage of this program is that it provides the student with loan insurance. Students desiring further information on this program should direct their inquiry to the Financial Aid Director.

PENALTY FEES

The penalty fees as outlined below are to defray the expenses involved and to discourage indifference toward regulations.

Late Registration Fee. Students are required to complete their course registration within the period set forth in the College Calendar. Late registration is permitted only in the most unusual circumstances and requires the permission of the Dean of the School and the payment of a fee of \$10.00.

Change of Roster Fee. After the second day of class, a change of roster will be permitted only with the permission of the Dean of the School, and a payment of a fee of \$5.00.

Delayed Examination Fee. Students are expected to take their final examinations during the regular examination period. Final examinations taken beyond the regular examination period require the permission of the Dean of the School and the payment of a fee of \$5.00 for each examination.

GRADUATION FEE

A graduation fee of \$35.00 is due and payable on or before the fifteenth of May preceding the candidate's graduation. The College cannot be responsible for the inclusion in the graduation program of any candidate who pays fees after this date. The graduation fee covers the yearbook, Founder's Day Exercises and Dinner, Baccalaureate Services, and the cost of the diploma, the use of cap and gown, and all other expenses incidental to the commencement exercises. No candidate may be recommended for a degree, diploma, or certificate until the graduation fee and all other financial obligations have been paid.

REFUND OR REMISSION OF TUITION

Under certain circumstances, the student who withdraws before the end of a semester may receive a refund or a remission of part of the unpaid balance of his tuition fee. Complete information on terms and conditions may be obtained from the Business Office.

Academic Programs and Procedures

THE CORE CURRICULUM

In keeping with its objective of liberal education, La Salle requires students in all of its programs to follow a core curriculum that includes courses in philosophy, theology, English, modern languages, science, and social sciences.

The program varies slightly, depending on whether the student is in the area of arts, science, or business. The available options are indicated in the program listings for the various departments, beginning on page 46. The Science option available to Freshmen may be either Biology 117-118, Geology 101-102, Chemistry 101-102, or Astronomy 101-102.

LOWER DIVISION REQUIREMENTS

To qualify for admission to the Upper Division, the student must complete the work of the lower division with a minimum of sixty semester credit hours and a scholastic index of 1.75. Furthermore, he must make grades of "C" or better in those courses which are prerequisites for the advanced work in his chosen field of concentration. Under certain circumstances a student may be permitted to change from one lower division program to another when his record indicates that he may profit by such a change. Permission must be obtained from the Dean.

La Salle College, recognizing the basic importance of skill in the use of English in the whole educational process, requires a special test of Freshmen completing their initial writing courses. The Freshman Composition Test is a two-hour departmental examination in expository writing. Students failing this test must repeat English 101; those failing the test a second time will be asked to withdraw from the College.

UPPER DIVISION REQUIREMENTS

The general requirements of the upper division curricula are the successful completion of all courses specified for the core curriculum and the required courses in the major field as outlined by each department, including all free electives permitted.

CLASSIFICATION OF STUDENTS

A full-time student carries a *minimum* of twelve semester hours, although normal progress toward a degree requires an average of fifteen hours a week. A student's program will require more hours per week in some areas of instruction, as indicated later in this catalogue.

Explained in simplest form, a semester credit hour is equal to one lecture hour or two laboratory hours a week. If a course meets for three lectures weekly for a semester, it is said to be a three credit course. Fifteen weeks make one semester.

Part-time students carry a roster of less than twelve hours per week. Students in this category will require more than the normal four years in which to earn a degree.

Students who do not fulfill certain admission requirements may be admitted to follow particular courses and are considered as special students. They do not register for a degree-granting program. Credits earned by a special student may be counted towards a degree as soon as he has met all the requirements for admission and candidacy for a degree provided that the credits thus earned be applicable to his program of studies for the degree.

A special student cannot hold a scholarship nor take part in extracurricular activities.

COURSE NUMBERING SYSTEM

Courses are numbered from 100 to 500. Ordinarily, courses numbered in the one and two hundreds are given on the Lower Division, which comprises the first four semesters or first two academic years. Courses numbered in the three and four hundreds are ordinarily given on the Upper Division, which includes the last four semesters or the last two academic years.

Some courses are described as two-semester courses. These are designated by consecutive numbers on a single line, e.g., Accounting 101, 102. Both parts of these courses must be passed to receive credit for either, and a student must pass successfully the first part before being permitted to take the second.

PROGRAM OF STUDIES

The program of studies prescribed by the student's adviser and approved by the Dean of the School in which the student is enrolled is his official roster of courses.

It is the student's responsibility to see that all the requirements of his program are fulfilled. He should have in writing from the Dean any exceptions to the prescribed program which may be granted him.

A student may be permitted to change from one Lower Division program to another, or from one area of instruction to another, only when his previous record indicates that he may profit by such a change. In any change of this type the student must have the written permission of his future course adviser and the Dean of his School. This change may entail taking approved summer courses or an additional semester in college. In no case may a student who transfers receive promotion or a degree sooner than he would have received it had he not transferred. No degree may be received less than one year after change of curriculum.

HONORS PROGRAM

The Honors Program is designed to provide the most academically talented students with an enriched program of general studies that will be both challenging and stimulating. The freshman honors student, as an apprentice in the program, studies in honors sections of two or three required courses. If he proves himself able and interested, he continues with honors courses in such areas as theology, philosophy, and English, which offer more depth and more advanced reading.

In his last two years, the honors student may substitute an Independent Study Course in each semester for any regularly scheduled course except theology or seminar. Such courses are usually given by distinguished visiting professors. Class meetings are less frequent, and emphasis is on individual reading and research.

"LA SALLE IN EUROPE"

Students who would like to broaden their educational background by studying in Europe may take advantage of the "La Salle in Europe" program. This program offers the opportunity of completing the Junior year at the University of Fribourg in Switzerland while receiving full credit at La Salle for course work there. The cost of this program is approximately equal to the regular combined tuition and residence expense at La Salle. Detailed information is available from the Director, "La Salle in Europe."

SUMMER SCHOOL

A variety of courses are offered during the summer. A student may use these courses to enrich his academic program, to lighten his regular schedule, to make up failures, or, in some instances, to accelerate his progress toward a degree.

A roster of summer courses to be offered is available around February 15 and may be obtained from the Director of the Summer School.

Properly qualified applicants from other accredited institutions are also admitted to the Summer School.

THE RESERVE OFFICERS' TRAINING PROGRAM

The primary purpose of the ROTC is to produce commissioned officers of Artillery in the Reserve or Regular Army.

ROTC instruction is divided into two phases: The Basic Course and the Advanced Course. The Basic Course consists of two academic years of instruction. All freshman students who are not veterans and who meet the following requirements are required to enroll in and complete successfully the first year of the Basic Course. They must be:

1. Citizens of the United States.
2. Physically qualified under standards prescribed by the Department of the Army.
3. Accepted by La Salle College as regularly enrolled students.
4. Not less than 14 years of age and under 23 years at the time of enrollment.
5. Pass such general survey or screening tests as may apply.

Students who have had previous military training may have the first year ROTC requirement waived.

Those students who have successfully completed the Basic Course and who are selected by the President of the College and the Professor of Military Science, may be enrolled in the Advanced Course. Eligible students enrolled in the Basic or Advanced Courses may be deferred from induction into the Armed Forces. Students who have not otherwise completed the Basic Course, may enroll in the Advanced Course after completing a Basic Summer Camp between Sophomore and Junior school years. However, these students would not be eligible for the two-year ROTC scholarship, which is available to a selected few.

The Advanced Course consists of two academic years of instruction and six weeks of training in a summer camp for artillery students. An average of two hours per week are devoted to military subjects during the first year of the Basic Course, three hours per week for the second year of the Basic Course, and four hours per week during the Advanced Course.

Students do not receive any pay while pursuing the Basic Course. While enrolled in the Advanced Course, students receive approximately \$50.00 per month, and, while at the Advanced Course Summer Camp, receive approximately \$117.00 per month, plus food, lodging, uniforms, equipment, medical care, and travel pay to and from the camp.

Uniforms, textbooks, and equipment are issued to the students at the beginning of each school year and must be turned in by the students at the end of the school year. Textbooks are issued for military subjects only. Uniforms must be worn on scheduled drill days.

The successful completion of the first year Basic Course ROTC is a prerequisite for a degree from La Salle College. Students are required to maintain a satisfactory scholastic standing in all subjects to remain in the final three years of the ROTC course.

Upon satisfactory completion of the ROTC course, students will be eligible for a commission in the U.S. Army Reserve. A few outstanding students will be eligible for a commission in the Regular Army.

Scholarships are available for four or two years to outstanding students.

Prospective students who desire information concerning the Reserve Officers' Training Program should communicate with the Professor of Military Science, La Salle College, Philadelphia, Pennsylvania, 19141.

ATTENDANCE POLICY

Students are expected to attend classes regularly. Absences are permitted to provide for conditions beyond the control of the student. Ordinarily, these

would be equal to twice the semester hours scheduled for the course; for example, six absences in a three hour course. Attendance is noted from the first regular class meeting regardless of the time of registration.

EXAMINATIONS

The last week of each semester is set apart for final examinations. Examinations to measure student progress are given at mid-term. Students who, for satisfactory reasons, fail to take a semester examination at the scheduled time may take a delayed examination. A delayed examination permit must be secured in the Dean's Office.

MAKE-UP EXAMINATIONS

Make-up examinations are given when an "I" grade has been received. The "I" grade is a provisional semestral grade given by an instructor to a student who has otherwise maintained throughout the semester a passing grade in course, but who has failed to take the semester examination in the course for reasons beyond his control. All "I" grades that have not been removed within three weeks after the last regular examination of the semester become "F's." In cases where it is physically impossible for this grade to be removed within this time limit, the time may be extended only by the written permission of the Dean of the School.





GRADES

The following system of grades is used in measuring the quality of student achievement in courses:

A	Superior	(93-100)	F	Failure	(below 70)
B	Very Good	(84-92)	I	Incomplete	
C	Average	(77-83)	W	Withdrawal	
D	Passable	(70-76)			

In the determination of final grades for courses, recitations, written assignments, and the results of the final examination are considered.

The "I" grade is counted as an "F" in computing averages for the first probation list, and it becomes a failure if it is not removed within the three weeks following the term in which it was given, unless for serious reason the Dean has permitted a longer delay in final examination.

The withdrawal grade "W" is assigned when a student withdraws from a course with the Dean's permission before its completion. Ordinarily permission for withdrawal is not granted after the period of the mid-term examinations.

STUDENT REPORTS

A progress report is submitted to the Dean's Office by each instructor at the middle of each term. Final grades are submitted at the end of a semester and these are made part of a student's permanent record. A report of semester grades is mailed to the student's parent or guardian within two weeks after final examinations.

At the end of each year a report is sent to the principal of the high school from which the student was graduated.

SCHOLARSHIP INDEX

A scholarship index system is used at La Salle to determine a student's average grade. In determining the index, each letter grade is ascribed a numerical value, called grade points. "A" is valued at 4 grade points; "B" is valued at 3 grade points; "C" is valued at 2 grade points; "D" is valued at 1 grade point; "F" is valued at zero grade points.

A grade point score is calculated for each course by multiplying the numerical equivalent of the letter grade by the number of semester hours. The index, or the average grade of all courses, is found by dividing the sum of the grade point scores for all courses by the total number of semester hours of course work attempted.





ACADEMIC STANDING

First-year students are required to earn a minimum average of 1.50 to be in good academic standing; second-year men, 1.75; third-year men, 1.90. Averages are computed at the completion of each semester.

DEANS' HONOR LIST

The Deans' Honor List is published at the termination of each semester.

Those students who have a cumulative average of 3.4 are placed on the Deans' List. To be eligible for this list, a student must have complied with all the regulations of the College and must be free of all academic censure. Freshmen are not eligible for inclusion on this list.

While students on the Deans' List are excused from class attendance regulations, they are expected to fulfill the requirements of every course rostered. They are also eligible for courses in the College's Honors Program.

ACADEMIC CENSURE

Academic censure may assume any one of four forms, depending on the gravity of the situation calling for scholastic discipline. An evaluation of student records is made at the end of each semester.

(a) *Warning.* An official warning is given to a student who has received "Failure" grades in one-third of the semester hours which comprised his official roster for the semester.

(b) *Probation.* A student is placed on probation when: (1) he has attained a cumulative scholarship index of (a) less than 1.50 after the first or second term of his freshman year, (b) less than 1.75 after the first or second term of his sophomore year, (c) less than 1.90 after the first or second term of his junior year; or (2) he has received "Failure" grades in more than one-third of the semester hours which comprised his official roster for the semester last completed. Such a student will be continued on probation until he has satisfied the conditions for good standing. A student on probation automatically forfeits the privilege of cuts, participation in extracurricular activities, and eligibility for class office.

(c) *Suspension.* This is forced withdrawal from courses and residence with the privilege of returning at the discretion of the Dean of his School.

(d) *Dismissal.* This is forced withdrawal from courses and residence without the privilege of seeking readmission.

A student is subject to dismissal: (1) when he has attained a cumulative scholarship index of (a) less than 1.00 during his freshman year, (b) less than 1.50 during his sophomore year, (c) less than 1.75 during his junior year; (2) if he has received "Failure" grades in one-half of the credit hours of his official roster for that year; (3) if he has been on probation for two successive semesters; or (4) whenever, in the opinion of the Dean of his School, a student shows by poor scholarship that he is no longer profiting by the educational program of the College.

CREDIT FOR OFF-CAMPUS COURSES

Course work taken at other institutions by regularly enrolled students at La Salle College may not be offered for credit unless the student has had written permission in advance from the Dean of his School to take such courses.



REQUIREMENTS FOR A DEGREE

The candidate for a degree must have completed course work equivalent to a minimum of 126 semester hours; beginning with the class of 1970, the requirement will be 120 hours. Certain curricula may require a number of hours exceeding this minimum.

He must have obtained a "C" average or cumulative index of 2.00 in his prescribed program of studies.

He must have fulfilled all course requirements prescribed for him by the chairman of the department in which he majored and approved by the Dean of the School in which he is enrolled.

He must have fulfilled the requirements in philosophy and theology.

He must have completed eight semesters as a full-time student, including the two semesters of his senior year.

HONORS

The bachelor's degree with honors is conferred on a student who has completed his course at the College with an average of all marks not lower than 3.4 and who has not incurred the penalty of loss of good standing for disciplinary reasons.

The candidate for the bachelor's degree who has earned an average of 3.8 in all courses is graduated with the distinction *Maxima Cum Laude*.

The candidate who has earned an average of 3.6 is graduated with the distinction *Magna Cum Laude*.

The candidate who has earned an average of 3.4 is graduated with the distinction *Cum Laude*.

Honors are computed on the basis of the work done for eight semesters.

WITHDRAWALS

A student who withdraws from the College must submit a Withdrawal Notice to the Dean of his School. In the event that a student withdraws without submitting an official Withdrawal Notice, honorable dismissal is not granted and he forfeits the privilege of returning to the College. The date of filing the Withdrawal Notice is considered as the date of withdrawal in all cases.

TRANSCRIPTS

Students may apply at the Registrar's Office for a transcript of their collegiate work. There is a fee of one dollar for every copy of a transcript requested after the first. The College requires at least one week's notice for the issuance of a transcript.





Brother Robert Doran, Dean

School of Arts and Sciences

The School of Arts and Sciences offers general or liberal arts programs and programs in science and mathematics. Within these two areas you may further specialize in a major field of study. In the liberal arts, the Bachelor of Arts degree is offered in Classical Languages, Economics, English, History, Modern Languages, Philosophy, Political Science, and Sociology. Concentration in the science area may lead to a B.A. degree in Biology, Chemistry, Mathematics, Physics, or Psychology. The School also offers programs designed as preparations for Law, Medicine, Dentistry, Teaching, and Social Work.

OBJECTIVES

The objectives of the School of Arts and Sciences are essentially those of liberal education in general: to provide you with the opportunity to develop your intellectual faculties as fully as possible and to acquaint you with our cultural and scientific heritage.

The programs are organized to give you a variety of general courses in your first two years which lay the foundation for more specialized courses in your last two years. If you are undecided about your eventual major, the acquaintance with a wide variety of courses may help you choose the subject in which you would like to concentrate.

This concentration in your last two years permits you to deepen your knowledge in a particular area and prepares you for further study in gradu-

ate or professional school or for entry into such professions as social work, teaching, personnel work, government service, or the communication arts.

FOREIGN LANGUAGE PLACEMENT

Students who perform well in their high school language courses and earn an above-average mark in their College Board Achievement test are normally placed in Language 202-204 in their first year. They may thereafter take an elective or another language course in their sophomore year. Students who give evidence of a very strong language background may be placed in more advanced courses.

Students who plan to enter graduate school are urged to acquire a good background in Modern Languages, since many graduate schools require a knowledge of several languages before granting higher degrees.

Programs of Study

Students who wish to prepare for careers in medicine, dentistry, teaching, or law will find pertinent information in the paragraphs immediately following. Those planning to major in any of the other Arts or Sciences will find a full four-year listing of prescribed courses under the departmental heading. Departments are listed alphabetically in the following pages, and each major program is given in detail, along with descriptions of the courses offered in that department.

PREPARATION FOR MEDICINE

Most students preparing for medical school major in either Biology or Chemistry, since these programs include the courses generally required by the medical colleges. However, a prospective medical student may major in any program that allows completion of the following basic science courses which most members of the Association of American Medical Colleges require:

Chemistry	12-16 sem. hrs.
Physics	8
Biology	8
Mathematics	0- 6

In addition to these courses, some medical schools specify or recommend certain others. It is advisable, therefore, that the premedical student familiarize himself with the exact requirements of the school to which he will apply.

Only those students who do better than average work in their courses will qualify for a favorable recommendation from the faculty.

PREPARATION FOR DENTISTRY

The basic requirements for admission to most dental schools are the same as those for admission to medical schools. The special courses, however, vary with each school. It is recommended, therefore, that the prospective dental student acquaint himself with the requirements of the school which he plans to enter.

Most prospective dental students major in Biology or Chemistry and at the same time meet the requirements for dental school.

PREPARATION FOR TEACHING

The teacher preparation program leads to eligibility for a provisional certificate to teach in the secondary schools of Pennsylvania and provides a foundation for those desiring to go on to further studies in the field. The Pennsylvania Department of Public Instruction has granted program approval in the preparation of teachers of biology, chemistry, English, French, German, history, history and government, Latin, mathematics, physics, and Spanish. Students who satisfactorily complete the College's requirements in these areas are automatically issued teachers' certificates. Those planning to teach outside of Pennsylvania should familiarize themselves with certification requirements elsewhere.

A career in teaching should be considered only by those students who possess above-average scholastic ability, physical fitness, emotional maturity, a balanced personality, interest in young people, and a desire to teach.

The Teacher Education Committee, consisting of faculty representatives of the several academic divisions of the College, assists the faculty of the Education Department in the planning and scheduling of courses, in the screening of prospective teachers, and in the presentation of a program consistent with the objectives of a liberal arts college. A Teacher Placement Office on campus aids graduates in obtaining teaching positions.

For specific information on the teacher preparation program, see pages 55, 56.

PREPARATION FOR LAW

The entrance requirements for most law schools are such that a Bachelor's degree in any particular field of study will meet the minimum entrance requirements. The program listed below, therefore, is suggested preparation, not a requirement of law schools. It emphasizes the broad background of knowledge which law schools deem desirable in candidates for admission.

PREPARATION FOR LAW

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
English 101	3	English 102	3
Language 101	3	Language 102	3
Mathematics 101 or Science	3	Mathematics 102 or Science	3
History A Elective	3	History A Elective	3
Military Science 101	1	Military Science 102	1
	16		16

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
English 205	3	English 206	3
Language 202	3	Language 204	3
Psychology 101	3	English 319	3
Economics 111	3	Economics 112	3
	15		15

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
English 322 or 315	3	English 401	3
Accounting 101	3	Accounting 102	3
Political Science 101	3	Political Science 103	3
Elective	3	Elective	3
	15		15

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Economics 415	3	Economics 416	3
Political Science or History Elective	3	Political Science or History Elective	3
Fine Arts 205	3	Elective	3
Elective	3	Elective	3
	15		15

BIOLOGY

JOHN S. PENNY, Ph.D., Chairman

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
English 101	3	English 102	3
Language 101	3	Language 102	3
Mathematics 103	4	Mathematics 106	4
Chemistry 111	4	Chemistry 112	4
Military Science 101	1	Military Science 102	1
	18		18

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
Language 202	3	Language 204	3
History or Social Science	3	History or Social Science	3
Physics 211	4	Physics 212	4
Biology 201	4	Biology 202	4
	—		—
	17		17

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
English 205	3	English 206	3
Chemistry 311	4	Chemistry 312	4
Biology 302	4	Biology 303	4
Elective	3	Elective	3
	—		—
	17		17

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Chemistry 433	4	Biology Elective	3
Biology Elective	3	Chemistry 434	4
Biology Elective	3	Elective	3
Elective	3	Elective	3
	—		—
	16		16

BIOLOGY 117, 118. GENERAL BIOLOGY.

A terminal course for those who can take only one year of biology. Structure and metabolism of seed plants and vertebrate animals; brief survey of the plant and animal kingdoms. Consideration of evolution, ecology, and genetics for both plants and animals. Two hours lecture, two hours laboratory; two terms. *Six credits*

BIOLOGY 201. THE LIVING ORGANISM.

Integrated principles of modern Biology; the attributes of Life and hypotheses of its genesis; the continuity of Life and its diversification; energy sources and the biological energy cycles; cells, organisms and their structure and communities. *Required of all Biology Majors.* Prerequisite: General Chemistry. Three hours lecture, two hours laboratory. *Four credits*

BIOLOGY 202. THE INVERTEBRATES.

Life processes, phylogenetic advances, and basic classification of the major pre-Chordate phyla with emphasis on their evolution and ecology. *Required of all Biology*

Majors. Three hours lecture, two hours laboratory. *Four credits*

BIOLOGY 302. THE PLANT KINGDOM.

Functional anatomy, phylogeny, and basic systematics of non-vascular and vascular plants. *Required of all Biology Majors.* Three hours lecture, two hours laboratory. *Four credits*

BIOLOGY 303. THE VERTEBRATES.

Comparative systemic anatomy of the vertebrate classes; hypotheses of origin and radiation of the Phylum Chordata. Laboratory dissections of representative Chordates from Amphioxus to Mammal. *Required of all Biology Majors.* Two hours lecture, four hours laboratory. *Four credits*

BIOLOGY 405. HISTOLOGY.

The minute and ultra structure of mammalian primary tissues together with their functional relationships in the formation of major organ systems; histological basis of function is stressed. Two hours lecture, four hours laboratory. *Four credits*

BIOLOGY 406. EMBRYOLOGY.

Fundamental processes underlying vertebrate development and differentiation; the frog, chick and pig form the basis of instruction. Two hours lecture, two hours laboratory. *Three credits*

BIOLOGY 407. MICROBIOLOGY.

A lecture-laboratory course concerned with the role of microorganisms in nature and especially in human affairs. One hour lecture, four hours of laboratory per week; one term. *Three credits*

BIOLOGY 408. THE CELL.

Physical properties, chemical structure, and metabolism of simple and specialized cells; recent advances in the techniques of cell culture and investigation. Prerequisite: Organic Chemistry. One hour lecture, four hours laboratory. *Three credits*

BIOLOGY 409. AQUATIC ECOLOGY.

Ecological principles associated with the aquatic environment and populations of aquatic organisms; environmental influences in flowing water, still water, and marine habitats. Two hours lecture and field work. *Three credits*

BIOLOGY 410. TERRESTRIAL ECOLOGY.

Study of plants and animals in their relation to each other and to the environment; interrelations between organisms in populations and communities. Two hours lecture and field work. *Three credits*

BIOLOGY 411. MICROTÉCHNIQUE.

Histochemical and cytological techniques associated with the preparation of animal and plant materials for microscopic study. One hour lecture, two hours laboratory. *Two credits*

BIOLOGY 412. GENETICS.

Mendel's Laws of heredity as observed in plants and animals; the scope and method of modern genetics. *Two credits*

BIOLOGY 413. GENETICS LABORATORY.

Prerequisite: Biology 412, which may be taken concurrently. Two hours laboratory. *One credit*

BIOLOGY 414. TAXONOMY OF THE ANGIOSPERMS.

A study of the classification of flowering plants. Practice in the use of keys of identification; phylogeny and economic importance of the leading families of flowering plants. One hour lecture, two hours laboratory. *Two credits*

BIOLOGY 415. HORTICULTURAL AND FOREST BOTANY.

Relation of man to cultivated plants; soil, plant propagation, the elements of landscape horticulture together with the basic problems of forestry are included; visits to greenhouses and botanic gardens; lectures and practical work. *Two credits*

BIOLOGY 418. GENERAL PHYSIOLOGY.

Metabolic processes and associated physico-chemical phenomena of living organisms. Current hypotheses of muscle, endocrine, neural, respiratory, cardiovascular, and nutritional physiology. Prerequisite: Organic Chemistry. One hour lecture, four hours laboratory. *Three credits*

BIOLOGY 419. NEUROMUSCULAR PHYSIOLOGY.

A physiological study of cardiac, skeletal, and smooth muscle and their relationship to the central and autonomic nervous systems. One hour lecture, four hours laboratory. *Three credits*

BIOLOGY 422, 423. BIOLOGICAL RESEARCH. Laboratory or theoretical research under staff supervision; permission of Chairman required. Hours to be arranged. *Two to four credits*

BIOLOGY 425. RADIOBIOLOGY.

Nuclear technology as applied to life sciences; theory, instrumentation, and use of radioactive isotopes in animals and plants. One hour lecture, four hours laboratory. *Three credits*

BIOLOGY 427. SEMINAR.

Presentation of review papers and discussions of assigned topics from main currents of biological research; participants to be recommended by Department staff. *Two credits*

CHEMISTRY*

MAX BARTH, Ph.D., Chairman

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
English 101	3	English 102	3
German 101	3	German 102	3
Mathematics 103	4	Mathematics 106	4
Chemistry 111	4	Chemistry 112	4
Military Science 101	1	Military Science 102	1
	—		—
	18		18

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
German 202	3	German 204	3
Chemistry 311	4	Chemistry 312	4
Physics 211	4	Physics 212	4
Mathematics 216	4	Mathematics 217	4
	—		—
	18		18

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
English 205	3	English 206	3
Chemistry 302	4	Chemistry 406	4
Chemistry 405	4	Electives	6
Elective	3		
	—		—
	17		16

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
History or Social Science	3	History or Social Science	3
Chemistry 401	3	Chemistry 430	3
Chemistry 407	4	Chemistry 408	4
Elective	3	Elective	3
	—		—
	16		16

*This program meets the standards of the American Chemical Society. ACS certification will be awarded only to those Chemistry majors who maintain the required grades.

CHEMISTRY 101, 102. GENERAL

CHEMISTRY.

A Terminal Course. Designed specifically for students who wish to obtain a general knowledge of chemistry in one survey course. Descriptive chemistry and the quantitative aspects of chemical principles are discussed. Three hours lecture, three hours laboratory; two terms. *Eight credits*

CHEMISTRY 111, 112. GENERAL

CHEMISTRY AND QUALITATIVE ANALYSIS.

Fundamental concepts, laws, and theories of chemistry; emphasis on the principles of ionization, chemical equilibria, solubility product, hydrolysis and complex ions. Laboratory experiments stress the quantitative aspects; experiments of the latter half of the second semester are devoted en-

tirely to qualitative analysis. Three hours lecture, three hours laboratory; two terms.

Eight credits

CHEMISTRY 302. QUANTITATIVE ANALYSIS.

Neutralization, oxidation-reduction, chemical equilibria, colorimetry and the methods of quantitative chemical analysis. Thorough training in volumetric, gravimetric, and colorimetric techniques. Two hours lecture, six hours laboratory. *Four credits*

CHEMISTRY 311, 312. ORGANIC CHEMISTRY.

Same content as Chemistry 303, 304; however, emphasis is placed on the modern approach to structure and reaction mechanisms; intended for Chemistry majors. Prerequisite: Chemistry 111, 112. Three hours lecture, three hours laboratory per week; two terms. *Eight credits*

CHEMISTRY 401. ADVANCED INORGANIC CHEMISTRY.

A study of special topics in the field of inorganic chemistry designed to deepen the student's grasp of fundamental concepts. Theoretical aspects of the chemical bond, complex ion; aqueous and non-aqueous solutions, and recent developments in radiochemistry. Prerequisites: Chemistry 111, 112. Two hours lecture; one term.

Two credits

CHEMISTRY 402. QUANTUM CHEMISTRY.

Quantum mechanics applied to the solution of some elementary systems. Discussion of chemical bonding. Introduction to elementary statistical mechanics using results derived from quantum mechanics.

Two credits

CHEMISTRY 405, 406. PHYSICAL CHEMISTRY.

Elementary principles of physical chemistry discussed and illustrated by suitable laboratory experiments. The ideal gas, real gases, liquids, solids, elementary thermodynamics, thermochemistry, solutions, equilibria, kinetics, electromotive force, electrical conductivity, and chemical thermodynamics. Prerequisites: Chemistry 311, 312; Mathematics 206, 207. Three hours lecture, three hours laboratory; two terms.

Eight credits

CHEMISTRY 407. QUALITATIVE ORGANIC ANALYSIS.

A study of the classifying reactions of organic compounds as exemplified by the analysis of compounds and mixtures in the laboratory. *Restricted to Chemistry majors.* Prerequisites: Chemistry 311, 312. Eight hours of laboratory per week and individual conferences.

Four credits

CHEMISTRY 408. ADVANCED QUANTITATIVE ANALYSIS.

Theory and practice of physical measuring instruments with particular attention to the use of the instruments. Modern trends in analytical chemistry. Two hours lecture, six hours laboratory.

Four credits

CHEMISTRY 410 and/or 411. CHEMICAL RESEARCH.

Individual laboratory or theoretical work under supervision of a staff member. *Restricted to Chemistry majors.* Hours to be arranged.

Four credits per term

CHEMISTRY 430. ADVANCED ORGANIC TOPICS.

Designed to extend the knowledge of organic chemistry; emphasis on those topics not fully developed in the elementary course. An introduction to the literature of chemistry is also included. Prerequisite: Chemistry 311, 312. Three hours of lecture.

Three credits

CHEMISTRY 431. BIOCHEMISTRY.

The chemistry of carbohydrates, fats, proteins, vitamins, enzymes, and hormones; emphasis on their roles in biochemical processes. Laboratory work illustrates common techniques used to prepare, identify, and assay biochemical materials. Prerequisite: Chemistry 311, 312. Three hours lecture, three hours laboratory.

Four credits

CHEMISTRY 433, 434. ANALYTICAL,

PHYSICAL AND BIOLOGICAL CHEMISTRY.

The techniques of analytical chemistry, including instrumental analysis, and the theories of physical chemistry applied to biochemical reactions. Intended for Biology majors. Prerequisites: Chemistry 312, Mathematics 106, Physics 212. Three hours lecture, three hours laboratory.

Eight credits

EARTH SCIENCE

This program has been designed to fulfill any one of the following three requirements:

1. a bachelor's degree in earth science affording preparation for graduate work in geology, meteorology, oceanography, environmental biology and allied fields;

2. completion of requirements of the state of Pennsylvania for teacher certification in earth and space science;

3. completion of requirements of the state of Pennsylvania for teacher certification in comprehensive science.

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
English 101	3	English 102	3
Language 101	3	Language 102	3
Mathematics 103	4	Mathematics 106	4
Chemistry 111	4	Chemistry 112	4
Military Science 101	1	Military Science 102	1
	18		18

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
Language 202	3	Language 204	3
History A Elective	3	History A Elective	3
English 205	3	English 206	3
Physics 111 or		Physics 112 or	
Mathematics 216	4	Mathematics 217	4
	16		16

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Geology 101	3	Geology 102	3
Astronomy 101	3	Astronomy 102	3
Geology 201	3	Earth Science Elective or	
Elective or		Education 302	3
Education 301	3	Elective or	
		Education 303	3
	15		
			15

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Physics 103	3	Fine Arts 205	3
Geology 301 or		Geology 302	3
Education 401	3	Earth Science Electives or	
Earth Science Electives	6	Education 402, 404	6
	15		15

ASTRONOMY 101, 102. DESCRIPTIVE

ASTRONOMY.

The celestial sphere and its coordinates; the telescope and other astronomical instruments; time and the calendar; the solar system; the stars—their distances, motion, spectra, luminosity and development; binary and multiple star systems; nebula; and the external galaxies. *Six credits*

GEOLOGY 101. PHYSICAL GEOLOGY.

Principles of Physical Geology, including classification of rocks, weathering, earthquakes, volcanoes, glaciation, marine erosion and mountain building. Two hours lecture, two hours laboratory. *Three credits*

GEOLOGY 102. HISTORICAL GEOLOGY.

The geological history of the world, with

special reference to eastern North America. The evolution of life through the ages. Two hours lecture, two hours laboratory.

Three credits

GEOLOGY 201. PHYSICAL GEOGRAPHY.

A study of genesis, formation, and characteristics of land forms. Laboratory exercises include an interpretation of land forms from topographic maps and aerial photographs. Two hours lecture, two hours laboratory. *Three credits*

PHYSICS 103. METEOROLOGY.

A non-technical treatment of the fundamentals. Topics include the composition and properties of the atmosphere, observation of essential weather elements as well as the effects of weather and climate upon man and his activities. *Three credits*

EARTH SCIENCE—EDUCATION

Those majoring in Earth Science—Education must take the following courses: History 219-220; Physics 111-112; Education 301, 302, 303 in place of electives in Third Year; Education 401, 402, and 403 in place of electives in the Fourth Year.

COMPREHENSIVE SCIENCE EDUCATION CERTIFICATION

The certificate in comprehensive science education may be issued to a student who has completed a minimum of 40 semester hours with not less than eight semester hours each in biology, chemistry, and physics; not less than six semester hours in Earth Sciences; and not less than three semester hours in mathematics. These are the minimum requirements. In addition, the professional education requirements listed for earth science majors are also necessary; namely, Education 301, 302, 303, 401, 402, 403, and History 219-220.

EARTH SCIENCE ELECTIVES

Course descriptions for these electives will be found under Biology listings (p. 16) or under Physics listings (p. 80). Absence of a description indicates the course is not being offered in 1967-68 but will be offered by 1970-71.

Electives include:

Biology 117	General Biology I	Geology 401	Petrology
118	General Biology II	102	Vertebrate Paleontology
409	Aquatic Ecology	Physics 305	Introduction to Astrophysics
110	Terrestrial Ecology	306	Galactic Structure

ECONOMICS

JOSEPH F. FLUBACHER, Ed.D., Chairman

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
Language 101	3	Language 102	3
English 101	3	English 102	3
Mathematics 101	3	Mathematics 102	3
Economics 111	3	Economics 112	3
Military Science 101	1	Military Science 102	1
—	—	—	—
	16		16

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
Language 202	3	Language 204	3
English 205	3	English 206	3
History A Elective	3	History A Elective	3
Economics 322	3	Economics 203	3
—	—	—	—
	15		15

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Economics 415	3	Economics 416	3
Economics 325 or 317	4	Psychology 101	3
Economics 313	3	Economics 314	3
Elective	3	Elective	3
—	—	—	—
	16		15

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Economics 401	4	Economics 402	4
Economics 420	3	Economics 421	3
Fine Arts 205	3	Elective	3
Social Science Elective	3	Social Science Elective	3
—	—	—	—
	16		16

ECONOMICS 111, 112. PRINCIPLES OF ECONOMICS.

Fundamental economic principles and processes as they appear in such phenomena as production, exchange, price, distribution, consumption and national income. A prerequisite for all other economics courses except Economics 415 and 416.

Six credits

ECONOMICS 203. MONETARY THEORY.

An analysis of the role of money and the

monetary system in determining income, employment, and the price level.

Three credits

ECONOMICS 313. ECONOMICS AND BUSINESS STATISTICS I.

General introduction to the basic ideas and procedures of statistical analysis with special emphasis on their application to economics and business. Methods of statistical description, index numbers and time series analyses.

Three credits

ECONOMICS 314. ECONOMICS AND

BUSINESS STATISTICS II.

Foundations of statistical inference as applied to decision-making on the basis of limited information. Basic concepts of probability, probability distributions, estimation and test of hypotheses, regression and correlation techniques. *Three credits*

ECONOMICS 317. LABOR PROBLEMS IN AMERICA.

Study of the sources of the union movement, its history, structure, and functions. Attention to the development of economic, political and social power, as well as to the problems involved in the use of this power; management rights and management reaction to unions are also treated.

Four credits

ECONOMICS 322. AMERICAN ECONOMIC HISTORY.

History of the growth and development of the economic institutions of the United States from the Age of Discovery to the "New Deal" and their influences on political and social organizations. *Three credits*

ECONOMICS 325. INTRODUCTION TO MATHEMATICAL ECONOMICS.

Designed to acquaint the student with certain topics in algebra, analytic geometry, and calculus which are most useful in their application to micro- and macro-economic analysis. *Four credits*

ECONOMICS 401. INTERMEDIATE ECONOMIC THEORY I: PRICE THEORY.

Theory of consumer behavior, production, and cost. Price determination of products

in various market models and of factors of production. Welfare economics.

Four credits

ECONOMICS 402. INTERMEDIATE ECONOMIC THEORY II: THEORY OF EMPLOYMENT, GROWTH, AND FLUCTUATIONS.

Theory of the level of income and employment. Theories of economic growth, traditional and modern. Theories of economic fluctuations, stabilization policies, and forecasting. *Four credits*

ECONOMICS 415. HISTORY OF ECONOMIC THOUGHT.

A detailed study of the leading economic concepts and schools of economic thought from the Greek philosophers up to and including the Marginal Utility School.

Three credits

ECONOMICS 416. CONTEMPORARY ECONOMIC SYSTEMS.

A continuation of Economics 415 until Keynesian economics has been treated; a history and analysis of socialist and Marxist thought culminating in a comparative study of the structure and function of the economies of the United States and the Soviet Union. *Three credits*

ECONOMICS 420, 421. SEMINAR.

A study of methodology in economics and of the techniques of preparing research reports. Second semester includes readings, discussions, and presentation of individual research reports. Required of majors in economics and open to others with permission of the department chairman.

Six credits



EDUCATION

WILLIAM J. BINKOWSKI, M.A., Chairman

Since a major program is not offered by the Education Department, the student selects his major in the field in which he plans to teach. During the first two years, he follows the program prescribed by that department for its majors preparing to teach.

Application for admission into the teacher education program is normally made during the second semester of sophomore year. Admission requires the approval of the chairman of the department of the major subject, the chairman of the Education Department, and dean of School of Arts and Sciences, based on evidence that the candidate possesses the physical, emotional, and personal qualities necessary for successful teaching. The candidate must have and maintain a scholarship index of at least 2.00 for admission and retention in the program.

In his last two years, the student preparing to teach follows the program below, together with courses designated by the department chairman of his major subject.

Student Teaching (Education 402-03) may be taken in either term. The student must have an index of 2.50 or over in his major subject and approval from chairman of the department of the major subject, the chairman of the department of Education, and dean of School of Arts and Sciences to be accepted for student teaching.

Students not preparing for teaching may elect courses in education with the approval of the Department of Education.

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Education 301	3	Education 302	3
Major Courses and Electives	9	Education 303	3
		Major Courses and Electives	6
	15		15

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Education 401	3	Education 402, 403	6
Major Courses and Electives	9	Major Courses and Electives	6
	15		15



EDUCATION 301. THE SCHOOL:

INTRODUCTION TO EDUCATION.

The role of the public school in American society. Particular attention to historical, social, and philosophical background. Fall semester only. *Three credits*

EDUCATION 302. THE CHILD:

EDUCATIONAL PSYCHOLOGY.

Study of psychological principles as they apply to the pupil and the learning process at the secondary school level. Spring semester only. *Three credits*

EDUCATION 303. THE TEACHER:

**GENERAL METHODS OF TEACHING
AND READING PROBLEMS.**

Common problems met by the teacher in the classroom; lesson planning, tests and measurements, teaching techniques, classroom management, etc., and general problems of reading at the secondary school level. Spring semester only. *Three credits*

EDUCATION 401. THE SUBJECT:

**SPECIAL METHODS OF TEACHING
AND READING PROBLEMS.**

Training in the methods of instruction in which the student seeks certification, including special reading problems in that area. Course conducted by member of the department or area in which the prospective teacher is preparing. Fall semester only. *Three credits*

**EDUCATION 402, 403. PRACTICUM IN
TEACHING.**

Includes school visitations, pre-student teaching and other field experiences, and culminates with student teaching conducted under direction of college supervisors and cooperating teachers in the secondary schools. Open only to seniors who receive satisfactory recommendations from their department chairman, the Education department, and their dean. Prerequisite: written application to be filed with Teacher Education Committee by April 1 of the junior year. Fall or spring semester. *Six credits*



ENGLISH

CHARLES V. KELLY, M.A., Chairman

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
English 101	3	English 102	3
Language 101	3	Language 102	3
Mathematics 101 or Science	3 or 4	Mathematics 102 or Science	3 or 4
Social Science Elective	3	Social Science Elective	3
Military Science 101	1	Military Science 102	1
	—		—
	16 or 17		16 or 17

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
English 205	3	English 206	3
Language 202	3	Language 204	3
History A Elective	3	History A Elective	3
English 209	3	English 210	3
	—		—
	15		15

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
English 313	3	English 315	3
English 314	3	Controlled Elective*	3
Psychology 101	3	Fine Arts 205	3
Elective	3	Elective	3
	—		—
	15		15

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
English 328 or 329	3	English 405 or 406	3
English 413**	3	English 414**	3
English 306, 308, 318, or 355	3	English 322, 416, or 420	3
Elective	3	Elective	3
	—		—
	15		15

*Any period course (English 360-366).

**The recommended elective for students planning graduate work. Others should roster another English elective.

ENGLISH 101. COMPOSITION.

Training in exposition; occasional papers in narration and description. Weekly themes. *Three credits*

ENGLISH 102. COMPOSITION.

Writing assignments based upon readings in literature; the research paper. Prerequisite: English 101. *Three credits*

ENGLISH 205. APPROACH TO LITERATURE.

Training for literary appreciation through a study of the predominant types of literature. Frequent papers, class discussions, and collateral readings. *Three credits*

ENGLISH 206. APPROACH TO LITERATURE.

A continuation of English 205. *Three credits*

ENGLISH 209. THE LITERATURE OF ENGLAND: BEOWULF TO BLAKE.

Survey course in English literature showing development in types and forms.

Three credits

ENGLISH 210. THE LITERATURE OF ENGLAND: SINCE 1800.

Continues English 209.

Three credits

ENGLISH 219. GREAT BOOKS.

Honors course. Reading of major works in their entirety, in chronological sequence, linked by discussion of major periods and movements. Short critical papers.

Three credits

ENGLISH 220. GREAT BOOKS.

Honors course. Continuation of English 219.

Three credits

ENGLISH 306. INTRODUCTION TO DESCRIPTIVE LINGUISTICS.

Nature of language; modern methods of linguistic analysis. Social and cultural background of language. Fall term.

Three credits

ENGLISH 307. CHAUCER.

Readings in Chaucer, especially *Troilus and Creseide* and *The Canterbury Tales*. Not offered 1967-68.

Three credits

ENGLISH 308. INTRODUCTION TO HISTORICAL LINGUISTICS.

Theories and techniques dealing with the development of language through history. Language change. Comparative method. Spring term.

Three credits

ENGLISH 313. READINGS IN BRITISH

DRAMA: MYSTERY PLAYS TO WILDE (1900). Survey of the important dramas of England from the Middle Ages to 1900. Dramatic structure, historical and literary influences.

Three credits

ENGLISH 314. READINGS IN THE LYRIC:

BEGINNINGS TO MEREDITH (1900). Historical development of the genre; structural questions of the lyric form.

Three credits

ENGLISH 315. READINGS IN THE BRITISH AND AMERICAN NOVEL: RICHARDSON TO HARDY (1900).

Historical development of the genre; structural questions of the narrative form.

Three credits

ENGLISH 318. HISTORY OF THE ENGLISH LANGUAGE.

Origins and the development of modern English from Old and Middle English; dialects and dialect geography. Offered fall 1967.

Three credits

ENGLISH 319. ORAL COMMUNICATION.

Speech composition, audience psychology, and technique of delivery; emphasis on practical speaking experience.

Three credits

ENGLISH 321. ADVANCED ORAL COMMUNICATION.

Oral reading, argumentation and debate. Further practical experience. Prerequisite: English 319. Offered spring 1968.

Three credits

ENGLISH 322. CONTEMPORARY BRITISH AND AMERICAN NOVEL.

A study of the major novelists of the present century in England and America. Structure and trends.

Three credits

ENGLISH 328. SHAKESPEARE.

Reading of a wide selection of plays and sonnets with a concern for Shakespeare's artistic development.

Three credits

ENGLISH 329. SHAKESPEARE.

Intensive study of selected poems and plays, including tragedies, comedies, and chronicles.

Three credits

ENGLISH 340, 341, 342. CREATIVE WRITING I, II, & III.

Workshops in the writing of fiction and verse.

Three credits per term

ENGLISH 344. FUNDAMENTALS OF JOURNALISM.

Training in basic techniques of journalism and practical experience on student publications.

Two credits

ENGLISH 355. STRUCTURE OF ENGLISH.

Linguistic description of 20th century American English. Comparison of traditional and modern grammatical analyses. Of special interest to English-Education majors. Spring term.

Three credits

ENGLISH 360. MEDIEVAL LITERATURE.

Selected readings in Medieval literature in English. Particular attention to: Dante,

The Divine Comedy; Chaucer, *Troilus and Creseyde*; *Piers Plowman*; *Sir Gawain and the Green Knight*; Malory, *Morte D'Arthur*; Cervantes, *Don Quixote*. Offered spring 1968. *Three credits*

ENGLISH 361. RENAISSANCE LITERATURE. Selected readings in the literature of the English Renaissance. Particular attention to: More, *Utopia*; Spenser, *Faerie Queen*; Marlowe, *Hero and Leander*; Shakespeare, "Venus and Adonis," *Troilus and Cressida*; Browne, *Urn Burial*; Milton, *Paradise Lost*. Offered fall 1967. *Three credits*

ENGLISH 362. ENGLISH LITERATURE OF THE RESTORATION AND 18TH CENTURY. The historical approach will include the chief figures: Dryden, Pope, Swift, Addison and Steele, Johnson and their more outstanding contemporaries. Theory and practice of the authors. Not offered 1967-68. *Three credits*

ENGLISH 363. ENGLISH LITERATURE OF THE ROMANTIC PERIOD. An historical survey of the lyric and narrative poets Coleridge, Wordsworth, Byron, Shelley, Keats, their practice and theory. Pertinent references to their contemporaries. Offered fall 1967. *Three credits*

ENGLISH 364. ENGLISH LITERATURE OF THE VICTORIAN PERIOD. The chief literary figures of the period—Tennyson, Arnold, Browning, Hopkins, Carlyle, Newman, Ruskin—and their contemporaries placed against their milieu. Lyric and essay stressed. Not offered 1967-68. *Three credits*

ENGLISH 365. AMERICAN LITERATURE (TO 1860). Literary historical movements of the period; major figures include Irving, Poe, Hawthorne, Melville, Emerson, Thoreau, and Whitman. *Three credits*

ENGLISH 366. AMERICAN LITERATURE (AFTER 1860). Figures include Twain, James, Dickinson, Frost, Robinson, Eliot, Hemingway, Faulkner, and their major contemporaries. *Three credits*

ENGLISH 375. MILTON. A study of the form and content of Milton's poetry, supplemented by student research on his prose and on the ideas and values of his age. Offered spring, 1968. *Three credits*

ENGLISH 401. ADVANCED EXPOSITION. Practice in confronting special writing problems of business, education, and other professions. Recommended for prospective teachers. *Three credits*

ENGLISH 405. LITERARY THEORY AND CRITICISM. An introduction to the theory of literary structure and literary value; exercises in the description and evaluation of literary works; reports on assigned readings. Offered spring 1968. *Three credits*

ENGLISH 406. HISTORY OF LITERARY CRITICISM. Reading and discussion of major critical texts in historical setting. Short critical papers. *Three credits*

ENGLISH 413, 414. SENIOR COORDINATING SEMINAR. Intensive study of one author (chosen by student) with relation to his literary period and genre. Preparation and discussion in small group meetings of two long papers each semester by each student with emphasis on synthesis of the ideas presented in individual courses. Ends with comprehensive examination that includes Graduate Record Examination and separate tests on author, period, and genre chosen by student. *Six credits*

ENGLISH 416. READINGS IN MODERN DRAMA. A study of selected plays of the modern theater from Ibsen to Ionesco, with an emphasis on the forces which have shaped the drama of England, Ireland, and America. Offered spring 1968. *Three credits*

ENGLISH 420. CONTEMPORARY POETRY. An examination of representative 20th century poetic practice in English. Offered spring 1968. *Three credits*

FINE ARTS

GEORGE K. DIEHL, M.A.

ART 205. ELEMENTS OF ART.

Aesthetic analysis of the elements of painting and sculpture; application of principles to several major artists. *Two credits*

ART 301. INTRODUCTION TO ART

TECHNIQUES.

Instruction and exercises in lettering, collage, sketching, water-color, linoleum block printing. *Three credits*

ART 329, 330. HISTORY OF ART.

Historical survey of the principal branches of the fine arts from the classical era to the present. *Four credits*

MUSIC 103. CHORAL MUSIC.

Introduction to the theory and practice of choral music; practicum with the glee club. *Two credits*

MUSIC 205. INTRODUCTION TO MUSIC.

An examination of the fundamentals of music. Survey of the musical styles of Western Civilization through a study of representative works. Planned listening assignments. *Three credits*

MUSIC 301. SYMPHONIC MUSIC.

A study of symphonic literature from the Baroque to the present emphasizing those composers most important in its formulation and practice. Orchestration. Score reading. *Three credits*

MUSIC 302. A SHORT HISTORY OF OPERA.

Music for the operatic stage from its inception to the contemporary period. Con-

centrated study of selected works representing the stylistic and historical development of opera. *Three credits*

MUSIC 305. PIANO INSTRUCTION.

Private piano instruction available on campus from concert pianist Edna Bockstein. *No credit given*

MUSIC 320. BACH AND HANDEL.

Their historical importance in the late Baroque period. A study of representative vocal, instrumental, and chamber works. Fall term. *Three credits*

MUSIC 321. MUSIC OF THE CLASSIC

PERIOD.

A study of Western music from 1750 to the death of Beethoven. The rise and development of the classical style. Spring term. *Three credits*

MUSIC 323. MUSIC IN THE ROMANTIC ERA.

An intensive study of 19th century developments in music. The symphonic poem, art song, and music-drama. Expansion of orchestral and pianoforte technique; development of symphonic and chamber music forms; growth of Nationalism. Fall term. *Three credits*

MUSIC 324. CONTEMPORARY MUSIC.

Studies in the style and technique of music in the late 19th and 20th centuries. Impressionism; Neo-Classicism; Expressionism; Electronic Music. Selected compositions of Debussy, Stravinsky, Bartok, Schoenberg, Berg, and Varese will be examined in detail. Spring term. *Three credits*

A T. S. Eliot tribute produced and acted by English Department staff for GBS-TV program.



FOREIGN LANGUAGES

BROTHER DAVID H. KELLY, F.S.C., Ph.D., Chairman

CLASSICAL LANGUAGES

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
English 101	3	English 102	3
Latin 101	3	Latin 102	3
Greek 101	4	Greek 102	4
Mathematics 101 or Science	3 or 4	Mathematics 102 or Science	3 or 4
Military Science 101	1	Military Science 102	1
	—		—
	17 or 18		17 or 18

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
English 205	3	English 206	3
Greek 202	3	Greek 204	3
Latin 202	3	Latin 204	3
Psychology 101	3	Fine Arts 205	3
	—		—
	15		15

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Latin 309 or 312 or Greek 304 or 312	3	Greek 305 or Latin 310 or 314	3
History A Elective	3	History A Elective	3
Social Science Elective	3	Social Science Elective	3
Elective	3	Elective	3
	—		—
	15		15

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Latin 413 or 415	3	Latin or Greek 422 or Greek 408	3
Greek 407 or 421	3	Latin 416 or 421	3
Electives	6	Electives	6
	—		—
	15		15

GREEK

GREEK 101, 102. ELEMENTARY GREEK.

An introductory study of forms and syntax; includes reading and translation exercises and frequent practice in prose composition. *Eight credits*

GREEK 202. REVIEW GRAMMAR AND COMPOSITION.

Grammatical review; exercises in composition and selected readings. Prerequisite: Greek 102, or a passing grade in placement examination. *Three credits*

GREEK 304. XENOPHON.

Selections from the *Anabasis*; frequent exercises in prose composition based upon the readings. *Three credits*

GREEK 304. HOMER.

Selections from the *Iliad*; study of the epic meter and style. *Three credits*

GREEK 305. THE NEW TESTAMENT.

Selected passages; special attention to the forms peculiar to New Testament Greek. *Three credits*

GREEK 312. LYRIC POETRY.

The lyric poets from Archilocus to Theocritus; analysis of the meters; special emphasis on Pindar's odes. *Three credits*

GREEK 407. PLATO.

Selections from the *Apology* with special attention to the syntax; Platonic philosophy and contemporary life in Athens. May be repeated for credit. *Three credits*

GREEK 408. DRAMA.

Selections from the repertory of Greek drama; attention to the subsequent influence of this genre on world literature. *Three credits*

GREEK 421. SURVEY OF GREEK LITERATURE. A detailed study of the literary history of Greece; significant Greek classics read and discussed. Knowledge of Greek not required; open to upperclassmen who desire a cultural course of this nature. *Three credits*

GREEK 422. HISTORY OF GREEK AND

LATIN LANGUAGES.

Identical with Latin 422. *Three credits*

LATIN

LATIN 101, 102. ELEMENTARY LATIN.

Thorough grounding in forms and vocabulary; aural-oral method used. *Six credits*

LATIN 202, 204. INTERMEDIATE LATIN.

Review of elementary grammar; readings of selected prose and poetry. *Six credits*

LATIN 309. CICERO.

The works to be read will depend on the interests of the class. *Three credits*

LATIN 310. LIVY AND

ROMAN HISTORIOGRAPHY.

Selected passages of Livy's *History of Rome*; study of Roman historical theory. *Three credits*

LATIN 312. HORACE AND

LATIN LYRIC POETRY.

Study of the Horatian Ode; comparison with other Latin lyric poets. *Three credits*

LATIN 314. LATIN POETRY.

Selections from one or several of the Roman poets. Readings may be chosen from works of: Vergil, Catullus, Lucretius, Tibullus, Propertius, Martial, Ovid, Horace, Juvenal, and Persius. May be repeated for credit. *Three credits*

LATIN 413. ROMAN COMEDY.

Selected plays of Plautus and Terence will be read. *Three credits*

LATIN 415. PATRISTIC LATIN.

Selections from the principal Latin Fathers. A brief survey of the field of patrology and its influence on the Christian way of life. *Three credits*

LATIN 416. MEDIEVAL LATIN.

Selections from the various writers from the fifth to the thirteenth centuries of the Christian era. A study of changes in Latin forms and syntax and in the meaning of words; relations of medieval Latin to the vernaculars. *Three credits*

LATIN 421. SURVEY OF LATIN LITERATURE.

A detailed study of the literary history of Rome and the influence of Latin literature on Western thought. Its indebtedness to the literature of Greece will be clearly noted. Some significant Latin classics read and discussed; knowledge of Latin not required; open to upperclassmen who desire a cultural course of this type. *Three credits*

LATIN 422. HISTORY OF LATIN AND

GREEK LANGUAGES.

Latin and Greek traced from earliest stages to their transformation into the various daughter languages of the modern world (the Romance languages and Modern Greek). Reading knowledge of Latin and Greek not required. *Three credits*

MODERN LANGUAGES

FRENCH

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
English 101	3	English 102	3
French 101 or 202	3	French 102 or 204	3
Social Science Elective	3	Social Science Elective	3
Mathematics 101 or		Mathematics 102 or	
Science	3 or 4	Science	3 or 4
Military Science 101	1	Military Science 102	1
—	—	—	—
16 or 17		16 or 17	

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
English 205	3	English 206	3
French 305	3	French 306	3
French 308 or 311	3	French 309 or 312	3
History A Elective	3	History A Elective	3
—	—	—	—
15		15	

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
French 402 or 430	3	French 420 or 414	3
French 413 or 425	3	French 405 or 421	3
Psychology 101	3	Fine Arts 205	3
Elective	3	Elective	3
—	—	—	—
15		15	

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
French 402 or 430	3	French 420 or 414	3
French 413 or 425	3	French 405 or 421	3
Second Language 202 or		Second Language 204 or	
300 or 400 list*	3	300 or 400 list*	3
Elective	3	Elective	3
—	—	—	—
15		15	

*By independent study or by electing lower division courses, the French major will achieve sufficient competence in a second language for intermediate or, preferably, advanced courses in his senior year.

FRENCH 101, 102. FUNCTIONAL FRENCH.

A study of the phonetics and grammar of French with graded work in reading and composition. One required hour per week in the language laboratory. *Six credits*

FRENCH 202. REVIEW GRAMMAR AND COMPOSITION.

A review of French grammar with exercises in composition and selected readings. Prerequisite: French 102, or a passing grade in the placement examination.

Three credits

FRENCH 204. INTERMEDIATE READINGS.

Readings of medium difficulty selected as an introduction to the literature and civilization of France. Prerequisite: French 202. *Three credits*

FRENCH 305. ADVANCED GRAMMAR AND COMPOSITION.

Training in the use of idiomatic French and in the practical application of grammatical principles; intensive exercises in written expression and in the translation of standard English prose into French. Prerequisite: French 204. *Three credits*

FRENCH 306. ADVANCED LANGUAGE AND STYLE.

Continuation of French 305 with mounting stress on refinement of phrase and oral delivery. Prerequisite: French 204. *Three credits*

FRENCH 308. SURVEY OF LITERATURE:

PART 1.

Readings and discussions of selected literary works from the beginnings to 1800. Prerequisite: French 204. *Three credits*

FRENCH 309. SURVEY OF LITERATURE:

PART 2.

Readings and discussions of selected literary works from 1800 to the present. Prerequisite: French 204. *Three credits*

FRENCH 311. CIVILIZATION: PART 1.

A survey of the political, social, intellectual, scientific and artistic development of France from earliest times to 1900. Lectures and readings serve as a basis for oral practice. Prerequisite: French 204. *Three credits*

FRENCH 312. CIVILIZATION: PART 2.

A survey of the geography, history, institutions and artistic and cultural life of modern France. Lectures and readings serve as a basis for oral practice. Prerequisite: French 204. *Three credits*

FRENCH 402. MODERN NOVEL.

A study of the novels of Proust, Gide, Bernanos, Giono, Malraux, Sartre and Camus. Prerequisite: French 204. *Three credits*

FRENCH 405. OLD FRENCH LANGUAGE AND LITERATURE.

The history of the formation of the French language, with special attention to the phonological and morphological development from Latin. Literary study, using texts in the original, of Alexis, Roland, Guigemar, Aucassin, Vergi and the poetry of Villon. Prerequisite: French 204. *Three credits*

FRENCH 413. SIXTEENTH-CENTURY

LITERATURE.

Readings and reports on works of representative authors of the sixteenth and also the seventeenth centuries. Prerequisite: French 204. *Three credits*

FRENCH 414. EIGHTEENTH-CENTURY

LITERATURE.

Readings and reports on works of representative authors of the eighteenth century. Prerequisite: French 204. *Three credits*

FRENCH 420. MODERN THEATER.

A study of the plays of Claudel, Cocteau, Giraudoux, Anouilh, Montherlant, Sartre, Camus, Beckett, Ionesco and Genet. Prerequisite: French 204. *Three credits*

FRENCH 421. NINETEENTH-CENTURY

POETRY.

A study of the poetry of Vigny, Musset, Gautier, Nerval, Baudelaire, Rimbaud, Mallarmé and Laforgue. Prerequisite: French 204. *Three credits*

FRENCH 425. NINETEENTH-CENTURY

NOVEL.

A study of the novels of Constant, Stendhal, Balzac, Flaubert, Fromentin, Zola and Huysmans. Prerequisite: French 204. *Three credits*

FRENCH 430. CLASSICAL THEATER.

A study of the plays of Corneille, Molière and Racine. Prerequisite: French 204. *Three credits*

FRENCH 440. HONORS SEMINAR.

Tutorial conferences, papers on selected topics, and experience in classroom teaching. Prerequisite: approval of area-chairman. *Three credits*

GERMAN

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
English 101	3	English 102	3
German 101 or 202	3	German 102 or 204	3
Social Science Elective	3	Social Science Elective	3
Mathematics 101 or Science	3 or 4	Mathematics 102 or Science	3 or 4
Military Science 101	1	Military Science 102	1
	—		—
	16 or 17		16 or 17

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
English 205	3	English 206	3
German 202 or 304	3	German 204 or 305	3
German 401	3	German 402	3
History A Elective	3	History A Elective	3
	—		—
	15		15

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
German 405	3	German 313	3
German 319	3	German 320	3
Psychology 101	3	Fine Arts 205	3
Elective	3	Elective	3
	—		—
	15		15

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
German 310 or 315	3	German 311	3
German 420	3	German 421	3
Second Language 202 or 300 or 400 course*	3	Second Language 204 or 300 or 400 course*	3
Elective	3	Elective	3
	—		—
	15		15

*By independent study or by electing lower division courses, the German major will achieve sufficient competence in a second language for intermediate or, preferably, advanced courses in his senior year.

GERMAN 101, 102. FUNCTIONAL GERMAN.

An introductory study of the phonetics and grammar of the language including graded work in reading and composition. Weekly audio-oral laboratory assignments.

Six credits

GERMAN 202. REVIEW GRAMMAR AND

COMPOSITION.

Grammatical review, exercise in composition, and selected readings. Prerequisite: German 102, or a passing grade in German placement examination. Weekly audio-oral laboratory assignments.

Three credits

GERMAN 204. INTERMEDIATE READINGS.

Selected readings of moderate difficulty from writers of the eighteenth, nineteenth, and twentieth centuries with a view to introducing the student to the literature and civilization of the country. Prerequisite: German 202. *Three credits*

GERMAN 304. CONVERSATION AND COMPOSITION.

Extensive practice in the comprehension of spoken German; conversation and composition. Continued use of the language laboratory. Prerequisite: German 204. *Three credits*

GERMAN 305. CONVERSATION AND COMPOSITION.

Continuation of German 304. *Three credits*

GERMAN 306. READINGS IN SCIENTIFIC GERMAN PROSE.

Scientific readings selected with a view towards building a technical vocabulary. Open to science majors as an elective—as a substitute for German 204. Prerequisite: German 202. *Three credits*

GERMAN 310. ADVANCED ORAL PRACTICE. Oral practice for the development of skill in conversation. Special attention to remedial work in pronunciation and diction. Prerequisite: German 204. *Three credits*

GERMAN 311. ADVANCED ORAL PRACTICE. Continuation of German 310. Prerequisite: German 204. *Three credits*

GERMAN 313. MEDIEVAL LITERATURE.

Study and discussion of German literature from its beginnings to the end of the Medieval period. Prerequisite: German 204. *Three credits*

GERMAN 315. LITERATURE OF THE 15TH AND 16TH CENTURIES.

Study and discussion of the literature of the

15th and 16th centuries from the end of the Medieval period to the beginnings of the Baroque. Prerequisite: German 204. *Three credits*

GERMAN 319. LITERATURE OF THE 17TH AND 18TH CENTURIES.

Study and discussion of the literature of the 17th and 18th centuries excluding the works of Goethe and Schiller. Prerequisite: German 204. *Three credits*

GERMAN 320. THE CLASSICAL AGE.

Study and discussion of the literature of the Classical age with special attention to the works of Goethe and Schiller. Prerequisite: German 204. *Three credits*

GERMAN 401. LITERATURE OF THE 19TH CENTURY.

Study and discussion of the literature of Romanticism, Realism, and Naturalism. Prerequisite: German 204. *Three credits*

GERMAN 402. LITERATURE OF THE 20TH CENTURY.

Study and discussion of modern German literature from 1880 to the present. Prerequisite: German 204. *Three credits*

GERMAN 405. HISTORY OF THE GERMAN LANGUAGE.

The German language from its beginning to the present; particularly, the development of sounds, vocabulary and the formation of standard High German. Prerequisite: German 204. *Three credits*

GERMAN 420. SEMINAR.

Topics of investigation vary from semester to semester. Readings, reports, and discussion in a selected genre (novel, drama, lyric, short story). Extensive seminar paper. Prerequisite: Permission of the chairman. *Three credits*

GERMAN 421. SEMINAR.

Continuation of German 420. *Three credits*

ITALIAN

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
English 101	3	English 102	3
Italian 101 or 202	3	Italian 102 or 204	3
Mathematics 101 or Science	3 or 4	Mathematics 102 or Science	3 or 4
Social Science Elective	3	Social Science Elective	3
Military Science 101	1	Military Science 102	1
	—		—
	16 or 17		16 or 17

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
English 205	3	English 206	3
Italian 202 or 305	3	Italian 204 or 306	3
Italian 308	3	Italian 309	3
History A Elective	3	History A Elective	3
	—		—
	15		15

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Italian 413	3	Italian 414	3
Italian 422	3	Italian 420	3
Psychology 101	3	Fine Arts 205	3
Elective	3	Elective	3
	—		—
	15		15

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Italian 402	3	Italian 405	3
Italian 421	3	Italian 423	3
Second Modern Language 202 or 300 or 400 course*	3	Second Modern Language 204 or 300 or 400 course*	3
Elective	3	Elective	3
	—		—
	15		15

*By independent study or by electing lower division courses, the Italian major will achieve sufficient competence in a second language for intermediate or, preferably, advanced courses in his senior year.

ITALIAN 101, 102. ELEMENTARY ITALIAN. An introductory study of the phonetics and grammar of the language including graded work in reading and composition. Intended for those who are beginning the study of Italian. One required hour per week in language laboratory. *Six credits*

ITALIAN 202. REVIEW GRAMMAR AND COMPOSITION.

Grammatical review, exercises in composition and selected readings. Prerequisite: Italian 102, or a passing grade in the Italian placement examinations. *Three credits*

ITALIAN 204. INTERMEDIATE READINGS.
Selected readings of intermediate difficulty from writers of the nineteenth and twentieth centuries with a view to introducing the student to the literature and civilization of the country. *Three credits*

ITALIAN 305. ADVANCED GRAMMAR AND COMPOSITION.
Training in the use of correct idiomatic Italian and in the practical application of grammatical principles; exercises in written expression and in translating standard English prose into Italian. Prerequisite: Italian 204. *Three credits*

ITALIAN 306. STYLISTICS.
Includes intensive oral exercises with a view towards improving the student's pronunciation and increasing his active vocabulary. Students make frequent use of audio aids. Prerequisite: Italian 204. *Three credits*

ITALIAN 308. SURVEY OF ITALIAN LITERATURE: PART 1.
Designed to provide a fundamental knowledge of Italian literature from its origins to the sixteenth century, with particular stress on Dante, Petrarca and Boccaccio, and their contribution to Italian Humanism and the Renaissance. Prerequisite: Italian 204. *Three credits*

ITALIAN 309. SURVEY OF ITALIAN LITERATURE: PART 2.
A comprehensive study of Italian literary currents from the "Marinismo" to D'Annunzio and Pirandello through neo-classicism, romanticism, and futurism, with comparative references to European literature. Prerequisite: Italian 204. *Three credits*

ITALIAN 402. MODERN AUTHORS.
Includes a survey of Italian narrative and poetic production in the late nineteenth century and in the first half of the twentieth century. Prerequisite: Italian 204. *Three credits*

ITALIAN 405. HISTORY OF THE ITALIAN LANGUAGE.
Deals with the Italian language in its origins in the seventh century up to modern times. By means of a very few philologic and glottologic rules, the student will ac-

quire a knowledge of the origins and transformation of Italian from Vulgar Latin, in chronological progression. Prerequisite: Italian 204. *Three credits*

ITALIAN 413. READING LIST: PART 1.
Gives an acquaintance with excerpts of Italian writers including the poets of the twelfth and thirteenth centuries, such as Cino da Pistoia, Guido Guinizelli, Cielo D'Alcamo, Jacopo da Lentini, Guido Cavalcanti, Dante Alighieri, Francesco Petrarca, Angelo Polizano, Lorenzo de Medici, and others. Prerequisite: Italian 204. *Three credits*

ITALIAN 414. READING LIST: PART 2.
Italian poems of knighthood, with particular emphasis on *L'Orlando Furioso* by Ludovico Ariosto and *La Gerusalemme Liberata* by Torquato Tasso; reference to the antecedents of this literary genre. Prerequisite: Italian 204. *Three credits*

ITALIAN 420. SEMINAR: MANZONI.
A comprehensive study of the author's major work and Italy's greatest novel, *I Promessi Sposi*; consideration of the author's two historic poems, "L'Ardelchi" and "Il Conte di Carmagnola." *Three credits*

ITALIAN 421. SEMINAR: LEOPARDI.
A study of the works of Leopardi including "Le Operette Morali," "I Canti," and "I Pensieri." *Three credits*

ITALIAN 422. DANTE.
A comprehensive study of Dante's *Divine Comedy*, viewed in its different aspects: an exciting adventure story, an exposition of the poet's political action and feelings, a love story, a compendium of history, science and theology, and, finally, a program of political organization. Prerequisite: Italian 308. *Three credits*

ITALIAN 423. HISTORY OF THE ITALIAN THEATER.
A chronological survey of Italian theater, from the religious medieval representations in the open to modern realistic drama. Special attention to Alfieri's tragedies and their influence on Italian "Risorgimento." Prerequisite: Italian 308; 309. *Three credits*

RUSSIAN

RUSSIAN 101-102. ELEMENTARY RUSSIAN.
Audio-lingual approach; regular exercises in language laboratory stress fundamental structural features of the contemporary spoken language. *Six credits*

RUSSIAN 202-204. INTERMEDIATE RUSSIAN.
Second part of two year program based on audio-lingual principles. Continued emphasis on language laboratory work.

Six credits

RUSSIAN 304-305. ADVANCED GRAMMAR AND CONVERSATION.

Advanced grammar lectures, controlled conversations, and the reading of short stories and of a Russian newspaper. Prerequisite: Russian 204. Offered 1968-69.

Six credits

RUSSIAN 310-311. ADVANCED READINGS AND COMPOSITION.

Selected readings of 19th and 20th century Russian prose and verse. Compositions based on readings. Prerequisite: Russian 204. Offered 1967-68.

Six credits

RUSSIAN 402-403. SOVIET RUSSIAN LITERATURE.

Socialist Realism as a doctrine of art and literature in the Soviet Union. Readings

from Gorky, Mayakovsky, Babel, Olesha, Leonov, Zamyatin, Zoshchenko, Sholokhov, Ilf and Petrov, Simonov, Pasternak, Yevtushenko, Solzhenitsyn and others. Offered 1967-68.

Six credits

RUSSIAN 405. HISTORY OF THE RUSSIAN LANGUAGE.

Historical background for an understanding of the phonology, morphology, syntax, and vocabulary of modern Russian. Prerequisite: Russian 204. Offered fall 1968.

Three credits

RUSSIAN 406. OLD RUS' LITERATURE.

Selected readings from epic, annalistic, and hagiographic literature from the 11th to the 17th centuries. The Lay of Igor's Campaign. The beginnings of fiction. Prerequisite: Russian 405. Offered spring 1969.

Three credits

RUSSIAN 431-432. RUSSIAN LITERATURE OF THE 19TH CENTURY.

Romanticism and realism in Russian literature. Readings from Pushkin, Griboedov, Lermontov, Gogol, Turgenev, Ostrovsky, Dostoevsky, L. Tolstoy, Saltykov-Shchedrin, Leskov, Chekhov, Kuprin, Bunin, and Andreev. Offered 1968-69.

Six credits



SPANISH

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
English 101	3	English 102	3
Spanish 101 or 202	3	Spanish 102 or 204	3
Social Science Elective	3	Social Science Elective	3
Mathematics 101 or Science	3 or 4	Mathematics 102 or Science	3 or 4
Military Science 101	1	Military Science 102	1
—	—	—	—
16 or 17		16 or 17	

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
English 205	3	English 206	3
Spanish 304	3	Spanish 305	3
History A Elective	3	History A Elective	3
Psychology 101	3	Fine Arts 205	3
—	—	—	—
15		15	

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Spanish 308	3	Spanish 309	3
Spanish 300-400 list	3	Spanish 300-400 list	3
Second Language 101-202	3	Second Language 102-204	3
Elective	3	Elective	3
—	—	—	—
15		15	

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Spanish 400 list	3	Spanish 400 list	3
Spanish 400 list	3	Spanish 400 list	3
Elective	3	Elective	3
Elective	3	Elective	3
—	—	—	—
15		15	

SPANISH 101, 102. FUNCTIONAL SPANISH. Designed to provide a fundamental capacity in conversation; audio-oral method employed. Grammar is presented strictly on a functional basis to facilitate speech and comprehension. One required hour per week in the language laboratory.

Six credits

SPANISH 202. REVIEW GRAMMAR AND COMPOSITION.

Grammatical review, exercises in composition and selected readings. Prerequisite:

Spanish 102; or a passing grade in the Spanish placement examination. One required hour per week in the language laboratory.

Three credits

SPANISH 204. INTERMEDIATE READINGS.

Selected readings of intermediate difficulty from writers of the nineteenth and twentieth centuries with a view to introducing the student to the literature and civilization of the country. One required hour per week in the language laboratory.

Three credits

SPANISH 300. SURVEY OF SPANISH CIVILIZATION.

A cultural and historic study of Spain's past, examining the effects of Rome and Islam, the period of Spanish domination and later decline, and the status of present-day Spain. Prerequisite: Spanish 204.

Three credits

SPANISH 301. SURVEY OF SPANISH-AMERICAN CIVILIZATION.

A cultural and historic presentation of the diversity of Latin America from the Aztecs and Incas to the Conquest, the viceroyalties, and the establishment of independent nations; course concludes with a thorough study of today's Latin America. Prerequisite: Spanish 204.

Three credits

SPANISH 304. ADVANCED CONVERSATION.

Includes intensive oral exercises with a view towards improving the student's pronunciation and increasing his active vocabulary. Students make frequent use of audio aids. Prerequisite: Spanish 204.

Three credits

SPANISH 305. ADVANCED GRAMMAR AND COMPOSITION.

Training in the use of correct idiomatic Spanish and in the practical application of grammatical principles; intensive exercises in written expression and in translating of standard English prose into Spanish. Prerequisite: Spanish 204.

Three credits

SPANISH 306. COMMERCIAL SPANISH.

Intended to acquaint the student with commercial Spanish terminology combined with lectures, readings and translations of business letters. Introduction of new vocabulary used in the business world with emphasis on Spanish-American idiomatic expressions. Prerequisite: Spanish 204.

Three credits

SPANISH 308. SURVEY OF SPANISH

LITERATURE: PART I.

An introduction to the study of Spanish Literature which combines reading and discussion of the earliest works from the middle ages to the masters of drama of the Golden Age. Prerequisite: Spanish 204.

Three credits

SPANISH 309. SURVEY OF SPANISH LITERATURE: PART 2.

A course in readings and discussions of the authors from the eighteenth century to the contemporary period, including the neo-classic and romantic eras, and the modern novelists and poets.

Three credits

SPANISH 402. READING LIST: THE SPANISH NOVEL OF THE 19TH CENTURY.

The development and tendencies in the modern Spanish novel as indicated in the works of Valera, Pereda, Palacio Valdes, Alarcon, Galdos, Pardo Bazan and others. Prerequisite: Spanish 204.

Three credits

SPANISH 405. HISTORY OF THE SPANISH LANGUAGE.

Study of the formation of the language, its evolution and phonetic changes from Latin to the present modern pronunciations. Reading and discussions of the early Spanish texts and the development of the language in the early period. Prerequisite: Spanish 204.

Three credits

SPANISH 413. READING LIST: THE SPANISH NOVEL OF THE 20TH CENTURY.

Reading and discussions of the contemporary Spanish authors, their ideology and philosophies: Blasco Ibañez, Pio Baroja, Valle Inclan, Cela, Gironella, Laforet and others. Prerequisite: Spanish 204.

Three credits

SPANISH 414. READING LIST: THE SPANISH AMERICAN NOVEL.

Readings and discussions on the sociological and the literary aspects of the leading Spanish American authors and the development of their earliest works. Prerequisite: Spanish 204.

Three credits

SPANISH 415. READING LIST: CERVANTES.

Readings and discussions of the *Galatea*, *Persiles*, theatre, and *novelas ejemplares*, as well as Don Quijote. Prerequisite: Spanish 204.

Three credits

SPANISH 420. SEMINAR: DRAMA OF THE GOLDEN AGE.

Readings, reports and discussions of the principal dramatists of the Golden Age: Lope de Vega, Tirso de Molina, Calderón, Alarcón and others. Prerequisite: Spanish 204.

Three credits

SPANISH 421. SEMINAR: THE NOVEL IN THE GOLDEN AGE.

An extensive study based on readings, reports and discussions on the evolution of the Spanish picaresque novel: *Lazarillo de Tormes*, *Guzmán de Alfarache* and others. Prerequisite: Spanish 201. *Three credits*

SPANISH 422. LITERATURE OF THE MIDDLE AGES.

Emphasis is placed on such works as *Cantar de Mio Cid*, *Poema de Fernan Gonzalez*, and *Amadis de Gaula*; authors include Berceo, Alfonso X, Juan Manuel, Juan Ruiz, Marques de Santillana, and los Manrique. Prerequisite: Spanish 204. *Three credits*

SPANISH 423. RENAISSANCE LITERATURE.

The works of Boscan, Garcilaso, Encina, Nebrija, Torres Naharro, and Lope de Rueda, and such works as *Tirant lo Blanc*, *Celestina*, and *Lazarillo de Tormes* form

the basis of this period of literary activity. Prerequisite: Spanish 204. *Three credits*

SPANISH 424. ROMANTICISM.

A study of the early nineteenth century analyzes the works of such authors and poets as Larra, Duque de Rivas, Zorilla, Espronceda, Garcia Gutierrez, Hartzenbusch, and Becquer. Prerequisite: Spanish 204. *Three credits*

SPANISH 425. POETRY OF THE 19TH AND 20TH CENTURIES.

Works by Gabriel y Galan, de Castro, Dario, los Machado, Jimenez, Lorca, Guillen, Otero, and Salinas are considered. Prerequisite: Spanish 204. *Three credits*

SPANISH 440. SPANISH HONORS SEMINAR.

Tutorial conferences, papers, discussions, and experience in classroom teaching. Prerequisite: approval of the Department chairman. *Three credits*

COMPARATIVE LITERATURE

COMPARATIVE LITERATURE 201.

SURVEY OF WESTERN LITERATURE: PART 1. Lectures on masterpieces of western literature from its beginnings to the end of the classical period. Course investigates the western author's attempt to establish a consistent world-view and the emergence of specific literary forms: the epic, the narrative, the drama. Discussion of comparative aspects of English, French, German, Italian, Russian, and Spanish literatures. Team-taught. *Three credits*

COMPARATIVE LITERATURE 203.

SURVEY OF WESTERN LITERATURE: PART 2. Lectures on masterpieces of western literature from the end of the classical period to the present day. Course investigates relationship of the modern author to reality and the transformations which both his world-view and specific literary forms: the novel, the prose passage, have undergone

in the poetic text. Discussion of comparative aspects of English, French, German, Italian, Russian, and Spanish literatures. Team-taught. *Three credits*

COMPARATIVE LITERATURE 301.

CLASSICISM IN WESTERN LITERATURE. Study and discussion of the literature of the Classical Age in western tradition. Designed to enable the student to discover the essential components of classicism in all the literatures studied and the significance of national variations. Team-taught. *Three credits*

COMPARATIVE LITERATURE 303.

ROMANTICISM IN WESTERN LITERATURE. Study and discussion of the literature of the Romantic Period in western tradition. Designed to enable the student to discover the essential components of romanticism in all the literatures studied and the significance of national variations. Team-taught. *Three credits*

LINGUISTICS

ENGLISH 306. INTRODUCTION TO DESCRIPTIVE LINGUISTICS.

Nature of language; modern methods of linguistic analysis. Social and cultural background of language. *Three credits*

ENGLISH 308. INTRODUCTION TO HISTORICAL LINGUISTICS.

Theories and techniques dealing with the development of language through history. Language change. Comparative method. *Three credits*

HISTORY

JOHN F. WRIGLEY, Ph.D., Chairman

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Philosophy 107	3	Theology 117	3
History A Elective	3	History A Elective	3
Language 101	3	Language 102	3
English 101	3	English 102	3
Mathematics 101 or Science	3	Mathematics 102 or Science	3
Military Science 101	1	Military Science 102	1
	—		—
	16		16

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Philosophy 206	3	Theology 217	3
Social Science Elective	3	Social Science Elective	3
Psychology 101	3	Fine Arts 205	3
Language 202	3	Language 204	3
History A Elective	3	History A Elective	3
	—		—
	15		15

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Philosophy 206	3	Theology 317	3
English 205	3	English 206	3
Elective*	3	Elective*	3
History B Elective	3	History B Elective	3
History B Elective	3	History B Elective	3
	—		—
	15		15

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Philosophy 305	3	Theology 417	3
Social Science Elective	3	Social Science Elective	3
Elective	3	Elective	3
History B Elective	3	History B Elective	3
History B or C Elective**	3	History B or C Elective**	3
	—		—
	15		15

*The department recommends an advanced language course for history majors.

**History majors planning on graduate school are advised to select one of the seminars from Section C.

SECTION A: INTRODUCTORY COURSES

HISTORY 201-202. INTRODUCTION TO EUROPEAN HISTORY.

Topics in the history and geography of Europe from the barbarian invasions to the fall of the Third Reich. *Six credits*

HISTORY 209-210. THE ANCIENT WORLD.

A study of the ancient world with special emphasis on the politics and culture of Greece and Rome. *Six credits*

HISTORY 211-212. MEDIEVAL EUROPE.

The rise of Christian Europe from the decline of the Roman Empire to the Age of Discovery. *Six credits*

HISTORY 214-215. MODERN EUROPE.

The history of Europe (1500 to 1960) centered on political and social developments in Germany and France until the rise of Russia as a world power. *Six credits*

HISTORY 219-220. THE UNITED STATES.

The shaping of the nation from its earliest settlement to its present position of world leadership and an exploration of the role of Pennsylvania in this development. Required for teacher certification. *Six credits*

HISTORY 230-231. SPAIN AND PORTUGAL IN AMERICA.

An introduction to the history of Latin America with emphasis on the European origin of colonial and republican institutions. *Six credits*

HISTORY 240-241. ASIA AND THE EMERGING NATIONS.

A study of selected areas in Asia and Africa and their interrelations with the west. Required for history-education majors. *Six credits*

HISTORY 320. THE UNITED STATES AND PENNSYLVANIA.

A one semester survey of the history of the U.S. and Pennsylvania fulfills the State requirement for non-social studies education majors. *Three credits*

SECTION B: REGIONAL AND TOPICAL STUDIES

HISTORY 329-330. AMERICAN COLONIES AND REVOLUTION.

A survey of the colonial place in the British Empire with emphasis on influential social, economic, intellectual, and political factors. Second semester: A survey of the period 1763 to 1789. Offered 1968-69. *Six credits*

HISTORY 331-332. THE NATIONAL PERIOD.

The development of political, social, and economic institutions in the United States from the Constitution to the Jacksonian period. *Six credits*

HISTORY 333-334. CIVIL WAR AND RECONSTRUCTION (1850-1877).

Sectionalism and reconstruction in both North and South, stressing the causes, personalities, and military events of the dis-

ruption and reunion of the United States.

Six credits

HISTORY 435-436. NINETEENTH CENTURY AMERICAN SOCIAL AND CULTURAL HISTORY.

Topics in the expansion and settlement of the nation with emphasis on the shaping of the American character. Offered 1968-69. *Six credits*

HISTORY 437-438. AMERICA IN THE TWENTIETH CENTURY.

Political and diplomatic changes in the United States since 1900. *Six credits*

HISTORY 349-350. RENAISSANCE AND REFORMATION.

Topics illustrating the economic, social, religious and political changes in Western society from 1400 to 1600. *Six credits*

HISTORY 351-352. MODERN BRITAIN SINCE 1603.

A treatment of the broad social, political, and economic trends in the shaping of Modern Britain. Offered 1968-69. *Six credits*

HISTORY 353-354. THE FRENCH REVOLUTION AND THE NAPOLEONIC ERA.

Origins and consequences of the revolution of 1789 both in France and in Europe. *Six credits*

HISTORY 355-356. GERMANY SINCE 1848.

The political, social, and cultural history of Germany from the movement for unification to the present. Offered 1968-69. *Six credits*

HISTORY 367-368. HISTORY OF EAST CENTRAL EUROPE.

A survey of the development of national consciousness and of national states in east central Europe. *Six credits*

HISTORY 371-372. DIVIDED CHRISTENDOM.

The interrelation of political, cultural and theological differences between Rome and Byzantium and the failure of ecumenical efforts to unite Christianity, 1051 to 1517. May be substituted for Theology 217 or 317. *Six credits*

HISTORY 425-426. HISTORY OF RUSSIA.

The development of the Russian empire to the end of the 19th century; the rise of soviet power after the revolution. Offered 1968-69. *Six credits*

HISTORY 444-445. THE FAR EAST IN THE
19TH AND 20TH CENTURIES.

Concentration on China and Japan and
their interaction and development since
their contact with the west. Offered 1968-
69. *Six credits*

SECTION C: SEMINARS

HISTORY 471-472. SEMINAR IN AMERICAN
HISTORY (Not offered 1967-68.)

HISTORY 473-474. SEMINAR IN EUROPEAN
HISTORY (Not offered 1967-68.)

HISTORY 475-476. SEMINAR IN BRITISH
HISTORY.

An introduction to the aims and methods
of the historian through the preparation
of papers on selected topics in the field
specified—American, European or British—
along with discussion in small group meet-
ings or tutorial conferences. *Six credits*

MATHEMATICS

BROTHER HUGH N. ALBRIGHT, F.S.C., Ph.D., Chairman

FIRST YEAR			
<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
Mathematics 103*	4	Mathematics 106	4
Chemistry 101 or		Chemistry 102 or	
Physics 111	4	Physics 112	4
English 101	3	English 102	3
Language 101	3	Language 102	3
Military Science 101	1	Military Science 102	1
	—		—
	18		18
SECOND YEAR			
<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
Mathematics 216	4	Mathematics 217	4
Physics 211 or 213	4	Physics 212 or 308	4 or 3
English 205	3	English 206	3
Language 202	3	Language 204	3
	—		—
	17		17 or 16
THIRD YEAR			
<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Mathematics 310	3	Mathematics 308	3
Mathematics 312	3	Mathematics 350	3
History or Social Science	3	History or Social Science	3
Elective	3	Elective	3
	—		—
	15		15
FOURTH YEAR			
<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Mathematics 412	3	Mathematics 420	1
Mathematics 419	1	Mathematics 460	3
Mathematics 450	3	Mathematics 470	3
Elective	3	Elective	3
	—		—
	13		13

*Qualified students will be placed in a more advanced sequence of courses.

MATHEMATICS 101, 102. SURVEY OF MATHEMATICS.

Logic; sets; counting procedures; probability; functions; linear systems and matrices; linear programming; and elementary calculus. A terminal course. *Six credits*

MATHEMATICS 103. ALGEBRA AND TRIGONOMETRY.

Operations of algebra; complex numbers; logarithmic, exponential, and trigonometric functions and equations; linear systems and matrices; inequalities; series; and introductory probability. *Four credits*

MATHEMATICS 106. CALCULUS AND ANALYTIC GEOMETRY I.

Functions; limits and continuity; differentiation of algebraic functions; applications to maxima and minima, curve tracing, velocity and acceleration; integration with application to areas, volumes, surfaces and work; the fundamental theorem of the calculus. Prerequisite: Mathematics 103. *Four credits*

MATHEMATICS 216. CALCULUS AND ANALYTIC GEOMETRY II.

Differentiation and integration of transcendental functions; techniques of integration; improper integrals; conic sections; polar coordinates. Prerequisite: Mathematics 106. *Four credits*

MATHEMATICS 217. CALCULUS AND ANALYTIC GEOMETRY III.

Analytic geometry of three dimensions; partial differentiation; multiple integration; infinite series and Taylor expansions; indeterminate forms. Prerequisite: Mathematics 216. *Four credits*

MATHEMATICS 219, 220, 221. CALCULUS AND ANALYTIC GEOMETRY.

Entering freshmen who, in the opinion of the department, are capable will be invited to follow this sequence; content is the same as Mathematics 106, 216, and 217; treatment is more rigorous and extensive. *Twelve credits*

MATHEMATICS 308. DIFFERENTIAL EQUATIONS.

Differential equations of the first order; linear differential equations of higher order; Laplace transforms; series solutions;

applications to the physical sciences. Prerequisite: Mathematics 217 or 221. *Three credits*

MATHEMATICS 310. ADVANCED CALCULUS.

Partial differentiation; multiple integration; improper integrals; and infinite series. Prerequisite: Mathematics 217 or 221. *Three credits*

MATHEMATICS 312. MODERN ALGEBRA.

Sets and mappings; groups, rings and homomorphisms; Sylow theorems; quotient structures; polynomial rings; ideals; introduction to fields and vector spaces. *Three credits*

MATHEMATICS 350. PROJECTIVE GEOMETRY.

Relationship of projective spaces to vector spaces; duality; collineations and correlations; theorems of Desargues, Pappus, Pascal and Brianchon; conic sections; pole-polar duality. Prerequisite: Mathematics 312. *Three credits*

MATHEMATICS 412. VECTOR ANALYSIS.

Differential and integral calculus of vectors; application to dynamics of systems of particles and rigid bodies. Prerequisite: Mathematics 310. *Three credits*

MATHEMATICS 419, 420. SEMINAR.

Presentation and discussion of papers at weekly meetings. *Two credits*

MATHEMATICS 450. NUMERICAL ANALYSIS.

Solution of algebraic, transcendental and differential equations; difference equations; matrix inversion; Gauss and Chebyshev functions. Prerequisite: Mathematics 308 and 310. *Three credits*

MATHEMATICS 460. PROBABILITY AND STATISTICS.

Sample spaces; distributions; random variables; deviation; analysis of variance; and sampling theory. Prerequisite: Mathematics 217 or 221. *Three credits*

MATHEMATICS 470. SPECIAL FUNCTIONS.

Generating functions; orthogonal systems of functions; Legendre, Hermite, Bessel, Fourier, Gamma and Beta functions; partial differential equations. Prerequisite: Mathematics 308 and 310. *Three credits*

MATHEMATICS 480. LINEAR ALGEBRA.

Finite dimensional vector spaces and linear mappings; dual spaces; matrix algebras; invariant factors and elementary divisors; unitary spaces; the spectral theorem for normal operators; linear groups. An Honors Course. Prerequisite: Mathematics 312. *Three credits*

MATHEMATICS 485. COMPLEX VARIABLES.

The Cauchy-Riemann equations; Cauchy's integral formulas; series expansions of analytic functions; and conformal mapping. An Honors Course. Prerequisite: Mathematics 308 and 310. *Three credits*

MILITARY SCIENCE

COLONEL STEPHEN SILVASY, Chairman

MILITARY SCIENCE 101, 102. BASIC FRESHMAN MILITARY SCIENCE I.

An introduction to Basic Military Science: Organization of the Army and ROTC; Air Defense Artillery and Field Artillery; Individual Weapons and Marksmanship; U.S. Army and National Security; School of the Soldier and Exercise of Command. One hour of lecture, one hour of drill; and, in lieu of thirty hours of military instruction, students will substitute an academic subject that is required in the student's normal academic curriculum during his Freshman Year, providing it falls into one of the following general academic areas: Effective Communication, Science Comprehension, General Psychology, or Political Development and Political Institutions; two terms. *Two credits*

MILITARY SCIENCE 201, 222. BASIC SOPHOMORE MILITARY SCIENCE II.

A continuation of MS I: American Military History; Map and Aerial Photograph Reading; Introduction to Artillery Tactics and Techniques; Counterinsurgency; School of the Soldier; Hand to Hand Combat; Physical Training; Exercise of Command. Two hours of lecture, one hour of drill; two terms. *Two credits*

MILITARY SCIENCE 301, 302.

ADVANCED COURSE MILITARY SCIENCE III. Provides basic military education and, with other college disciplines, develops individual character and attributes essential to an

officer: Leadership; Military Teaching Principles; Artillery Tactics and Techniques; Infantry Tactics, Techniques, and Communications; and Pre-Camp Orientation. MS III students will exercise command. In lieu of forty-five hours of military instruction, excluding the aforementioned subjects, students will substitute from the following general academic areas: Science Comprehension; Effective Communication; General Psychology or Political Development and Political Institutions. The substitution need not necessarily be from junior year subjects. Two terms. *Six credits*

MILITARY SCIENCE 401, 402.

ADVANCED COURSE MILITARY SCIENCE IV. A continuation of MS III. Develops an appreciation of command and staff responsibilities; Army Administration; Military Law; Operations; Logistics; The Role of the U.S. in World Affairs; Field Artillery Tactics and Techniques; and Service Orientation. MS IV students will exercise command. In lieu of forty-five hours of military instruction, excluding the aforementioned subjects, students will substitute from the following general academic areas: Science Comprehension; Effective Communication; General Psychology or Political Development and Political Institutions. The substitution need not necessarily be from senior year subjects. Flight training (light aviation) is available to a limited number of cadets on an extracurricular basis (70 hours). Two terms. *Six credits*

PHILOSOPHY

JOSEPH C. MIHALICH, Ph.D., Chairman

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Philosophy 107	3	Theology 117	3
English 101	3	English 102	3
Language 101	3	Language 102	3
Mathematics 101 or Science	3 or 4	Mathematics 102 or Science	3 or 4
Social Science Elective	3	Social Science Elective	3
Military Science 101	1	Military Science 102	1
—	—	—	—
16 or 17		16 or 17	

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
English 205	3	English 206	3
Language 202	3	Language 204	3
Psychology 101	3	Fine Arts 205	3
Economics 111	3	Economics 112	3
—	—	—	—
15		15	

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Philosophy 305	3	Theology 317	3
Philosophy 302	3	Philosophy 315	3
Philosophy 413	3	Philosophy 414	3
History A Elective	3	History A Elective	3
Elective	3	Elective	3
—	—	—	—
15		15	

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Philosophy 425	3	Philosophy Elective	3
Philosophy Elective	3	Philosophy Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
—	—	—	—
15		15	

PHILOSOPHY 107. LOGIC.

An introduction to the science of correct thinking as reflected in the processes of definition, construction of syllogisms, and analysis of common fallacies. The course includes both traditional and modern approaches to logic. *Three credits*

PHILOSOPHY 206. PHILOSOPHIES OF MAN.

An investigation of the nature and powers of man, the origin and destiny of the human soul, and the nature of human

knowledge and human freedom, with emphasis both on the Aristotelian-Thomistic approach and contemporary variations. Prerequisite: Philosophy 107. *Three credits*

PHILOSOPHY 302. PROBLEMS OF KNOWLEDGE.

A survey of the nature and limits of human knowledge as presented by the major philosophers. *Required of all philosophy majors; open to others approved by the chairman. Three credits*

PHILOSOPHY 305. METAPHYSICS.

An analysis of the broadest and most fundamental aspects of reality and knowledge as conceived by the major philosophers, including a discussion of the existence and nature of God. Prerequisite: Philosophy 206. *Three credits*

PHILOSOPHY 313. INTRODUCTION TO MORAL PHILOSOPHY.

The course seeks to establish rational foundations for moral living drawing upon science, history, psychology, and philosophy. Prerequisite: Philosophy 206. *Required of all students not taking Theology.* *Three credits*

PHILOSOPHY 314. APPLIED MORAL PHILOSOPHY.

An application of the basic principles of ethical theory to specific situations and problems in family, political, business, professional, and international societies. Prerequisites: Philosophy 206, Philosophy 313. *Required of all students not taking Theology.* *Three credits*

PHILOSOPHY 315. ADVANCED MORAL PHILOSOPHY.

A detailed approach to the moral philosophy of Aristotle and Thomas Aquinas and other major thinkers, with specific reference to the more abstract problems of the moral order. *Required of all philosophy majors; open to others approved by the chairman.* *Three credits*

PHILOSOPHY 400. PHILOSOPHIES OF GOD. An investigation into the variety of philosophical approaches to the existence and nature of God in the writings of classical philosophers from the ancients through the contemporaries. The course will examine the themes of theism, atheism, agnosticism, pantheism, and panentheism. *Three credits*

PHILOSOPHY 401. AESTHETICS.

A consideration of the nature of art, art activity, art appreciation, and the function of art, with special reference to Art History. The course seeks to provide the stu-

dent with an elementary basis for forming a critical judgment with respect to art (and fine art) in general and specific works of art in particular. *Three credits*

PHILOSOPHY 402. EASTERN PHILOSOPHY.

A comparative study of Asian thought with special emphasis on philosophies originating in India and China. Logical, metaphysical, epistemological, ethical, and political problems will be used as a framework for the study. *Three credits*

PHILOSOPHY 403. AMERICAN PHILOSOPHY.

A study of vital American thought in three periods: New England transcendentalism; the classical group (Peirce, James, Royce, Santayana, Dewey, Whitehead); and the contemporary movements as seen in the philosophies of Perry, Hocking, Mead, Sellars, Lovejoy, and Brightman. The course will discuss American thought in its relationship to pragmatism, process philosophy, and personalism. *Three credits*

PHILOSOPHY 405. PHENOMENOLOGY AND EXISTENTIALISM.

An approach to contemporary existentialism through the philosophies of Hegel, Kierkegaard, Nietzsche, Husserl, and Heidegger. The course will study in detail the existentialist philosophies of Sartre, Marcel, Jaspers and Unamuno, and will investigate the religious existentialism of Buber and Tillich, and the literary existentialism of Camus and Simone de Beauvoir. *Three credits*

PHILOSOPHY 406. PHILOSOPHY OF SCIENCE.

An investigation of the relationship between philosophy and science from the standpoint of knowledge and method. The course will deal with philosophical problems common to the natural and social sciences, including the role of laws and theories in scientific explanation and prediction, the problem of induction and confirmation, and the nature and role of measurement and scaling. An historical

N.B. Prerequisite for all 400 courses: Philosophy 305. Seniors may choose their philosophy elective from the following offerings in 1967-68: Philosophy 400, 401, 405, 408, or 414.

survey will discuss the development of scientific method and the nature of scientific progress.

Three credits

PHILOSOPHY 407. ANALYTIC

PHILOSOPHY.

A study of the basic writings of Moore, Russell, Wittgenstein, Ayer, Strawson, Austin, Ryle, and Wisdom. Topics may include: the method of linguistic analysis and its application to traditional philosophical problems; the problem of meaning and truth; the relation between language, thought, and reality; logical positivism and the faith of the verification principle; meaning and verification of statements in religious language, ethics and metaphysics.

Three credits

PHILOSOPHY 408. SYMBOLIC LOGIC.

A study of the following branches of modern or symbolic logic: truth-functional logic; quantificational logic; and the logic of relations. Principles of Aristotelian logic will be evaluated, and the relationship between modern logic and Aristotelian logic will be analyzed.

Three credits

PHILOSOPHY 409. PHILOSOPHY OF COMMUNISM.

A study of dialectical materialism considered as the philosophical foundation of contemporary socialism and communism. The basic writings of Marx, Engels, Lenin and their immediate disciples will be ana-

lyzed, along with the works of the French and British socialists.

Three credits

PHILOSOPHY 410. PRINCIPLES AND PROBLEMS OF ETHICS.

An exposition of the principles governing the rightness and wrongness of human actions, along with an analysis of human happiness, the role of the natural moral law and the nature of virtue. Instruction in the application of ethical principles in the solution of problems in family, political, business, professional and international societies.

Three credits

PHILOSOPHY 413. HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY.

A survey of philosophy from the early Greek thinkers through the decline of Scholasticism. *Required of all philosophy majors.*

Three credits

PHILOSOPHY 414. HISTORY OF MODERN AND CONTEMPORARY PHILOSOPHY.

A survey of philosophy from the Renaissance period through contemporary thinkers. *Required of all philosophy majors.*

Three credits

PHILOSOPHY 425. SEMINAR.

Basis of the course will be papers prepared by individual students. Emphasis on integral and integrating nature of philosophy. *Required of all philosophy majors; open to others approved by the chairman.*

Three credits

PHYSICS

JOSEPH W. SIMMONS, M.S., Acting Chairman

FIRST YEAR

Fall

Theology 117

3

Mathematics 106

4

Physics 111

4

English 101

3

Language 101

3

Military Science 101

1

18

Spring

Philosophy 107

3

Mathematics 216

4

Physics 112

4

English 102

3

Language 102

3

Military Science 102

1

18

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
Mathematics 217	4	Mathematics 308	4
Physics 213	3	Physics 308	3
Language 202	3	Language 204	3
English 205	3	English 206	3
—		—	
16		16	

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Mathematics 310	3	Elective	3
Physics 309	3	Physics 304	4
Physics 407	4	Physics 405	3
Elective	3	Elective	3
—		—	
16		16	

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Physics 413	3	Physics 414	3
Physics 410	3	Physics 408	4
History or Social Science	3	History or Social Science	3
Elective	3	Elective	3
—		—	
15		16	

PHYSICS 111, 112. GENERAL PHYSICS I & II. For Freshman physics majors. Topics considered include mechanics, special relativity, electricity, and magnetism. Prerequisite: Mathematics 106 and 216 concurrently. Three hours lecture, two hours laboratory; two terms. *Eight credits*

PHYSICS 211, 212. GENERAL PHYSICS. Mechanics, heat, light, sound, electricity and magnetism, and modern physics. Prerequisite: Mathematics 106. Three hours of lecture, two hours of laboratory; two terms. *Eight credits*

PHYSICS 213. GENERAL PHYSICS III. Includes topics relative to wave phenomena and modern physics. Prerequisites: Physics 112 or 212; Mathematics 216 concurrently. Three hours of lecture. *Three credits*

PHYSICS 304. STATES, WAVES AND PHOTONS.

A modern introduction to optics encompassing matrix representations of optical systems and polarization states of light;

the Jones calculus, the Mueller calculus and the Stokes representation; states of light as eigenstates of operators, expectation values, the bra-ket product and probability amplitudes; an approach to scalar diffraction through Green's theorem and Fourier transforms; the electromagnetic field and its quantization. Prerequisite: Physics 309. Three hours of lecture and one laboratory period per week.

Four credits

PHYSICS 305. INTRODUCTION TO

ASTROPHYSICS.

Methods for determining the basic properties of stars, such as temperatures, masses, and radii; stellar energy and structure.

Three credits

PHYSICS 306. GALACTIC STRUCTURE.

The constituents of the galaxy and its properties are discussed, using results of optical and radio astronomy. *Three credits*

PHYSICS 308. CIRCUIT THEORY.

A study of electrical networks, their response and the common network theo-

rems. Prerequisite: Physics 112 and Mathematics 216. Two hours of lecture and one laboratory period per week. *Three credits*

PHYSICS 309. ELECTRICITY AND MAGNETISM.

Physical and mathematical properties of electric fields, potential, dielectrics, magnetic fields, induced emf, magnetic materials, electromagnetism and Maxwell's equations. Prerequisites: Physics 212; Mathematics 310 either previously or concurrently. Three hours of lecture. *Three credits*

PHYSICS 405. THERMODYNAMICS.

Topics treated include the first, second and third law of Thermodynamics; kinetic theory of gases; transport phenomena; Maxwell-Boltzmann statistics; Bose-Einstein and Fermi-Dirac statistics. Three hours of lecture. *Three credits*

PHYSICS 407. ATOMIC PHYSICS.

Lectures and problems dealing with the special theory of relativity, black body radiation, photoelectric and thermionic emission, wave-particle duality, uncertainty principle, Rutherford scattering, the Bohr-Sommerfeld atom, the Schroedinger equation and its application to the hydrogen atom. Additional topics include the interaction of radiation with matter, X-rays and the diatomic molecule. Prerequisite: Physics 308 and Mathematics 310. Three hours lecture, one laboratory period per week. *Four credits*

PHYSICS 408. NUCLEAR PHYSICS.

Introductory course in nuclear physics; covers such topics as fundamental particles,

properties of nuclei, radioactivity, and nuclear reactions. Prerequisite: Physics 407. Three hours of lecture, two hours of laboratory. *Four credits*

PHYSICS 410. ELECTRONICS.

An introductory course dealing with vacuum tube and transistor circuits. Prerequisite: Physics 308, Mathematics 217. Two hours of lecture, one laboratory period per week. *Three credits*

PHYSICS 413, 414. MECHANICS.

Topics include the single particle and systems of particles in one, two and three dimensions; rotation of a rigid body; moving coordinate systems; and the mechanics of continuous media. Lagrange's and Hamilton's Equations are developed and tensor methods are introduced in their non-relativistic applications. Prerequisite: Mathematics 310. Three hours of lecture; two terms. *Six credits*

PHYSICS 416. QUANTUM MECHANICS.

An introductory course. Prerequisites: Mathematics 308, Physics 213. *Three credits*

PHYSICS 419, 420. SEMINAR.

Students engage in individual studies, present papers, and become acquainted with the literature. Required of all physics majors. One hour weekly; two terms. *Two credits*

PHYSICS 421. HISTORY OF SCIENCE.

An introduction to scientific thought and scientific discoveries from the earliest times to the present. Individual work in the history of physics. Two hours of lecture. *Two credits*

POLITICAL SCIENCE

ROBERT J. COURTNEY, Ph.D., Chairman

FIRST YEAR

Fall

Philosophy 107	3
English 101	3
Language 101	3
Mathematics 101 or Science	3 or 4
Political Science 101	3
Military Science 101	1

16 or 17

Spring

Theology 117	3
English 102	3
Language 102	3
Mathematics 102 or Science	3 or 4
Political Science 103	3
Military Science 102	1

16 or 17

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Philosophy 206	3	Theology 217	3
English 205	3	English 206	3
Language 202	3	Language 204	3
History A Elective*	3	History A Elective*	3
Economics 111	3	Economics 112	3
—	—	—	—
15	15	15	15

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Philosophy 305	3	Theology 317	3
Psychology 101	3	Political Science Elective	3
Political Science 301	3	Political Science Elective	3
Political Science Elective	3	Elective	3
Elective	3	Elective	3
—	—	—	—
15	15	15	15

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Philosophy Elective	3	Theology 417	3
Political Science 415	3	Political Science 416	3
Political Science Elective	3	Political Science 410	3
Fine Arts 205	3	Political Science Elective	3
Elective	3	Elective	3
—	—	—	—
15	15	15	15

*Recommended: History 214-215 for Political Science majors. History 219-220 for Political Science—Education majors.

POLITICAL SCIENCE 101. SCIENCE OF GOVERNMENT.

A study of the nature of political authority, the state, its organs and their functions.

Three credits

POLITICAL SCIENCE 103. GEOPOLITICS.

A survey of the geographic factors influencing the real and potential economic and political development of nations.

Three credits

POLITICAL SCIENCE 301. AMERICAN FEDERAL GOVERNMENT.

An examination of the organization and functions of the federal government of the United States; a study of the separation of powers and relations with the states. *Required of all Political Science majors.*

Three credits

POLITICAL SCIENCE 302. AMERICAN STATE GOVERNMENT.

A study of the state as a partner in the federal system; the states' constitutional

development; and principles underlying state governmental organization, reorganization, and functions.

Three credits

POLITICAL SCIENCE 303. AMERICAN CONSTITUTIONAL LAW.

An analysis of the development of the Constitution via the interpretations of the Supreme Court. Principal topics are the federal system, judicial review, separation of powers, powers of Congress and the President, the Commerce Clause, and political and civil rights.

Three credits

POLITICAL SCIENCE 402. UNITED STATES FOREIGN RELATIONS.

The historical development of United States diplomacy and foreign policy from the period of the Revolution to 1914.

Three credits

POLITICAL SCIENCE 402. UNITED STATES FOREIGN RELATIONS.

A continuation of Government 401, from 1914 to the present.

Three credits

POLITICAL SCIENCE 405. MUNICIPAL GOVERNMENT.

A study of the organization and functions of government at the municipal level and an analysis of trends and types of municipal governments. *Three credits*

POLITICAL SCIENCE 406. COMPARATIVE GOVERNMENT.

A comparative analysis of the constitutional principles and governmental organizations of the major European powers. *Three credits*

POLITICAL SCIENCE 407.**INTERNATIONAL RELATIONS.**

An analysis of the basic patterns and major factors underlying international politics. Consideration to current international problems. *Three credits*

POLITICAL SCIENCE 409. AMERICAN**POLITICAL PARTIES.**

A view of the political problems of the United States as revealed in the major and minor political parties that have arisen during the country's history. *Three credits*

POLITICAL SCIENCE 410. SURVEY OF**POLITICAL THOUGHT.**

An analysis of the major political writers from Plato to the present. Emphasis on

each author's concept of the state, its function and end, and his solution to the problem of the reconciliation of the common good with individual freedom. *Three credits*

POLITICAL SCIENCE 413.**NON-WESTERN POLITICAL SYSTEMS.**

A study of the governmental institutions and political processes of the emergent nations of Africa, the Middle East, and South Asia. *Three credits*

POLITICAL SCIENCE 415. SEMINAR I.

A study of methods of research and scholarly writing. Directed research and reports on individual assignments. *Required of all Political Science majors. Three credits*

POLITICAL SCIENCE 416. SEMINAR II.

Supervised research and writing on major topic. Weekly presentation and group discussion of individual papers. Submission of written thesis. *Required of all Political Science majors. Three credits*

POLITICAL SCIENCE 480. ADVANCED**INTERNATIONAL RELATIONS.**

Directed individual research and reports on selected problems of modern international politics. Open to gifted students by invitation. *Three credits*

PSYCHOLOGY

BROTHER AUSTIN DONDERO, F.S.C., Ph.D., Chairman

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
English 101	3	English 102	3
Language 101	3	Language 102	3
Psychology 101	3	Psychology 201	3
Mathematics 103	4	Mathematics 106	4
Military Science 101	1	Military Science 102	1
	17		17

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Theology 317	3
Language 202	3	Language 201	3
English 205	3	English 206	3
Psychology 212	3	Psychology 213	3
Science Option*	3 or 4	Science Option*	3 or 4
	15 or 16		15 or 16

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Philosophy 206	3	Philosophy 305	3
History or Social Science	3	History or Social Science	3
Psychology 319	4	Psychology 320	4
Fine Arts 205	3	Psychology 322	3
Elective	3	Elective	3
	16		16

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Psychology 423	3	Psychology 424	3
Elective	3	Psychology Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		15

*Biology 117-118, Chemistry 101-102, Physics 211-212, or Physics 111-112 or any higher numbered two-semester course in these departments for which the student has the prerequisites.

N.B. General Psychology 101 is a prerequisite for all other psychology courses (with the exception of Psychology 212). With the permission of the Instructor in a particular course this prerequisite may be waived.

PSYCHOLOGY 101. GENERAL

PSYCHOLOGY I.

Introduction to the scientific study of human behavior. Emphasis on methods of psychological research and principles and theories developing from this research.

Three credits.

PSYCHOLOGY 201. GENERAL

PSYCHOLOGY II.

A continuation of Psychology 101. For students who plan to major in psychology and for other students who desire a more intensive coverage of the principles and theories of psychology than is possible in the first course.

Three credits

PSYCHOLOGY 212. STATISTICS I.

An introduction to statistics, emphasizing such descriptive measures as central tendency, variability and correlation. Prerequisite: Mathematics 103-106 or equivalent with permission.

Three credits

PSYCHOLOGY 213. STATISTICS II.

An intermediate course in inferential statistics, emphasizing such techniques as the analysis of variance and t-tests. Prerequisite: Statistics I or equivalent. *Three credits*

PSYCHOLOGY 303. EDUCATIONAL

PSYCHOLOGY.

Identical with Education 302.

Three credits

PSYCHOLOGY 311. DEVELOPMENTAL

PSYCHOLOGY.

A general study of the development of behavior and the human personality from conception through adulthood; special emphasis on childhood and adolescence.

Three credits

PSYCHOLOGY 315. ABNORMAL

PSYCHOLOGY.

An introductory course surveying the principal forms of the major and minor mental disorders, with emphasis on the causes, symptoms, course and treatment. An analysis of the over-all problem of mental illness and a study of certain borderline personality and behavioral patterns and other forms of psychological deviation. Prerequisite: Psychology 324 or permission.

Three credits

PSYCHOLOGY 316. TESTS AND

MEASUREMENTS.

The selection, administration and interpretation of psychological tests used in the

measurement of aptitudes, achievement, interest and personality. Prerequisite: Psychology 212 or equivalent. *Three credits*

PSYCHOLOGY 319. EXPERIMENTAL PSYCHOLOGY I.

A laboratory course designed to introduce the student to the classical psychological experiments and to train him in the methods of experimental design and research. Experiments on the sensory processes, perception, learning, memory, thought processes and emotions. Prerequisites: Psychology 201 and 213 or permission. Three hours lecture, three hours laboratory. *Four credits*

PSYCHOLOGY 320. EXPERIMENTAL PSYCHOLOGY II.

Lectures and discussions on modern experimental psychology. For laboratory work, the student plans, designs, and performs an original research experiment. Prerequisite: Psychology 319. Three hours lecture, three hours laboratory. *Four credits*

PSYCHOLOGY 322. READINGS IN PSYCHOLOGY.

Readings consist of basic books and periodicals having relevance for the broad field of psychology; assignments discussed in seminar-fashion at one two-hour meeting weekly. Prerequisite: Psychology 201. *Three credits*

PSYCHOLOGY 324. PERSONALITY DYNAMICS AND ADJUSTMENT.

An analysis of the human system, the dynamics of individual behavior, and a consideration of resources necessary for effective living as they are related to a better understanding of personal adjustments in healthy persons developing toward maturity. *Three credits*

PSYCHOLOGY 417. INDUSTRIAL AND BUSINESS PSYCHOLOGY.

A study of those psychological principles, methods and techniques which are especially relevant to an understanding of human relations and efficiency in business and industry. *Three credits*

PSYCHOLOGY 422. SOCIAL PSYCHOLOGY. A study of the facts and theories dealing with the phenomena of social behavior. Focuses on individual behavior as it affects and is affected by the behavior of others. *Three credits*

PSYCHOLOGY 423. SEMINAR I.

Readings, discussion and analysis of the scientific and philosophical roots of modern psychological theories and problems. Prerequisite: Psychology 201 or permission of the Chairman. *Three credits*

PSYCHOLOGY 424. SEMINAR II.

A continuation of Psychology 423 with primary focus on contemporary theories and research; independent student research and discussion of contemporary psychological problems. The final examination is oral and comprehensive, covering the field of psychology in general as well as the specific topics of the student's independent study. Prerequisites: Psychology 201 and 423 or permission of the Chairman. *Three credits*

PSYCHOLOGY 425. PSYCHOLOGICAL RESEARCH.

Designed to integrate and apply the student's knowledge of scientific psychology, scientific methods, laboratory and statistical techniques, and the field of research literature in the solution of a specific problem. Requires completion of a research project under the direction of a staff member. Prerequisite: Psychology 320. One or two terms. *Three credits per term*

PSYCHOLOGY 453. THEORIES OF LEARNING.

An analysis of the principal theories of learning in the light of recent experiments in animal and human learning. Prerequisite: Psychology 201. *Three credits*

PSYCHOLOGY 455. COUNSELING THEORIES AND PRINCIPLES.

Theories and principles of the counseling process. The dynamics of human change. The objectives, work, and continuing problems of counseling. Prerequisite: Psychology 101 or equivalent. *Three credits*

SOCIOLOGY

THOMAS M. COFFEE, Ph.D., Chairman

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
English 101	3	English 102	3
Language 101	3	Language 102	3
Mathematics 101 or Science	3 or 4	Mathematics 102 or Science	3 or 4
Sociology 101	3	Sociology 103	3
Military Science 101	1	Military Science	1
—	—	—	—
16 or 17		16 or 17	

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
English 205	3	English 206	3
Language 202	3	Language 204	3
Sociology 304	3	Sociology 416	3
History A Elective	3	History A Elective	3
—	—	—	—
15		15	

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Philosophy 305	3	Theology 317	3
Sociology 313	3	Sociology 314	3
Sociology 425	3	Psychology 101	3
Economics or Political Science Elective	3	Economics or Political Science Elective	3
Elective	3	Elective	3
—	—	—	—
15		15	

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Philosophy Elective	3	Theology 417	3
Sociology 407	4	Sociology 408	4
Fine Arts 205	3	Sociology 418	3
Sociology Elective	3	Sociology 426	3
Elective	3	Elective	3
—	—	—	—
16		16	

SOCIOLOGY 101. INTRODUCTORY SOCIOLOGY.

A consideration of fundamental concepts in several approaches to the study of human relationships. *Three credits*

SOCIOLOGY 103. SOCIAL PROBLEMS AND AGENCIES.

A study of current maladjustments in urban and rural human relationships and of the agencies designed to assist groups and individuals concerned. *Three credits*

SOCIOLOGY 304. MARRIAGE AND THE FAMILY.

A study of the factors which make for successful family life. Offered each semester. *Three credits*

SOCIOLOGY 305. SOCIAL INSTITUTIONS.

A consideration of the continuing organizations whereby control in groups is exercised. The family, the state, the parish, private property, occupations, education and

recreation are studied with regard to expected behavior and member roles.

Three credits

SOCIOLOGY 306. MINORITY GROUPS.

Examination of the racial and ethnic groups that compose American society. Emphasis on the processes involved in social change in intergroup relations.

Three credits

SOCIOLOGY 308. THE CITY AND

SOCIAL CHANGE.

A study of the rate and significance of urbanization in the United States and the world, with particular attention to the housing, planning, and redevelopment movements.

Three credits

SOCIOLOGY 309. POPULATION.

Demographic study of trends and differentials in fertility, mortality, migration and urbanization and national increase as these relate to levels of living in the world.

Three credits

SOCIOLOGY 313, 311. SOCIAL STATISTICS.

A general introduction to the mathematical techniques of statistics, with special emphasis on interpretation and application to sociology.

Six credits

SOCIOLOGY 404. THE SOCIOLOGY OF

RELIGION.

A study of religion as a basic social institution and of its relationships with the political, economic, and stratification systems of society and with social change. *Three credits*

SOCIOLOGY 407, 408. INTRODUCTION TO

SOCIAL RESEARCH.

Assistance is given individual students or a group of students in class and in conferences toward planning and completing a project which requires utilization of several social research techniques. Projects completed satisfactorily in one semester will receive three credits. Open only to majors

in sociology or preparation for social work. Two hours lecture, four hours field work, per week; two terms. *Eight credits*

SOCIOLOGY 412, 414. INTRODUCTION TO SOCIAL WORK.

An elementary interpretation of social case work in various settings, social group work, community organization, and research in the profession of social work. Two hours in class and a minimum of four hours in a welfare agency each week. If agency placement is not desired, credit is given for class sessions only. Two terms.

Four credits or eight credits

SOCIOLOGY 416. CRIMINOLOGY.

A consideration of delinquency, the machinery of justice and the treatment of criminals. *Three credits*

SOCIOLOGY 418. ANTHROPOLOGY.

A more complete study of the cultural approach to sociology than is possible in the introductory course. *Three credits*

SOCIOLOGY 420. INDUSTRIAL SOCIOLOGY.

An examination of human relationships and social processes in occupational groups. *Three credits*

SOCIOLOGY 422. SOCIAL PSYCHOLOGY.

Identical with Psychology 422.

Three credits

SOCIOLOGY 425. HISTORY OF SOCIAL THOUGHT.

A brief consideration of major contributions to thinking concerning human relationships. *Three credits*

SOCIOLOGY 426. SOCIOLOGICAL

THEORY.

A survey of the results of theory-making from the genetic point of view. Emphasis will be given to theorists who have had the most influence in American sociology.

Three credits

PREPARATION FOR SOCIAL WORK

The program below is recommended to students who have completed the freshman sociology program and who plan a career in social work.

SECOND YEAR			
<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
English 205	3	English 206	3
Language 202	3	Language 204	3
Psychology 101	3	Sociology 416	3
History A Elective	3	History A Elective	3
	15		15
THIRD YEAR			
<i>Fall</i>		<i>Spring</i>	
Philosophy 305	3	Theology 317	3
Psychology 311	3	Psychology 324	3
Sociology 313	3	Sociology 418	3
Sociology 304	3	Sociology 314	3
Elective	3	Elective	3
	15		15
FOURTH YEAR			
<i>Fall</i>		<i>Spring</i>	
Philosophy Elective	3	Theology 417	3
Fine Arts 205	3	Sociology 422	3
Sociology 412	4	Sociology 306	3
Sociology 308	3	Sociology 414	4
Elective	3	Elective	3
	16		16

THEOLOGY

BROTHER JAMES J. KAISER, F.S.C., S.T.D., Chairman

Catholic students follow certain courses in Theology. This framework of religious study is related to the purposes and objectives of the College. The curriculum in Theology stresses the essential truths which are basic to our Judeo-Christian civilization and without which there can be no truly Christian intellectual and cultural formation. Non-Catholic students follow a different sequence of courses designed to enhance appreciation of the religious elements essential to a true education. This sequence includes Theology 108, Philosophy 313 and 314, and an option chosen from among Theology 313, 440, or History 371-372.

Catholic students whose background indicates considerable deficiency in the basic elements of religion take Theology 100 in their first semester; thereafter they follow the same program as other Catholic students.

Unless noted otherwise, all one-term courses are offered in both semesters. In courses with a two-term sequence, odd-numbered courses are given in the fall, even-numbered courses in the spring semester.

THEOLOGY 117. SACRED SCRIPTURE.

An introduction to contemporary biblical studies through an analysis of selected

books of the Old and New Testaments with focus on the unifying themes and the theological thought they contain. Required of all Catholic students. *Three credits*

**THEOLOGY 217. CHRISTIAN MAN
IN THE MODERN WORLD.**

The nature of faith as an essential facet of the mature personality; an examination and discussion in the light of modern discoveries of some selected problems contemporary man faces, particularly regarding free will, sex, love, and the historicity of man. *Three credits*

**THEOLOGY 317. GOD AND MAN'S
SALVATION.**

The study of salvation: its need, nature, promise and fulfillment, as set forth in Sacred Scripture and theological tradition; the Triune God, Author of Man's salvation; man's need for salvation and the ways modern man recognizes this need; the Incarnation, the sign and realization of God's redemptive love. *Three credits*

**THEOLOGY 417. SACRAMENTAL
ENCOUNTER WITH THE RISEN LORD.**

Through an examination of Sacred Scripture, Patristic, Conciliar, and contemporary theological thought the sacraments, particularly of Christian Initiation—Baptism, Confirmation, and the Eucharist—are studied as efficacious means of personal encounter with the Risen Lord and existential participation in His sanctifying worship. *Three credits*

**THEOLOGY ELECTIVES AND
COURSES FOR SPECIAL GROUPS**

**THEOLOGY 100. SURVEY OF
CATHOLIC DOCTRINE.**

An exposition and discussion of the principal truths of the Catholic Faith; required of Catholic freshmen whose academic background indicates considerable deficiency in the knowledge of the basic dogmas of the Faith. Non-Catholic students may elect this course. *Three credits*

THEOLOGY 108. SURVEY OF THE BIBLE.

An introductory course in the Bible with

emphasis on the history of the Chosen People and on the life, work, and character of Jesus. For Non-Catholic students.

Three credits

**THEOLOGY 123-124. SCRIPTURE
STUDIES.**

Fall term: A comprehensive study of the books of the Old Testament focusing on their content and literary composition. Spring term: An introduction to the theology of St. Paul through an intensive study of key texts taken from various Epistles. Open only to the Brothers Scholastics. Two terms. *Six credits*

**THEOLOGY 223-224. CONTEMPORARY
MORAL THEOLOGY.**

Studies the nature of responsible, Christian, human activity with detailed application of principles to contemporary problems. These courses, open only to Brothers Scholastics, are oriented to the students' future teaching commitment. Two terms.

Six credits

**THEOLOGY 313. THE DEVELOPMENT OF
JEWISH RELIGIOUS THOUGHT.**

An extensive survey of the Jewish Religion, including discussion and analysis of Jewish theology, religious practices, ritual, and customs, treated in the light of other great religions of the world. Open to all Non-Catholic students. Catholic students may elect this course as a substitute for Theology 217, 317, or 417. *Three credits*

**THEOLOGY 323-324. DOGMATIC
THEOLOGY.**

The Triune God; relations of the Divine Persons to one another and their role in the Redemption of man; the Son of God who became man: his attributes and qualities; the deeds of his life in the salvation of the human race; the presence of the mystery of salvation in the liturgical action of the Church. Organized as a preparation for teachers of Kerygmatic Theology, the course examines each of these mysteries according to the Biblical theme, patristic teaching and the development of the doctrine in the history of the Church, and the theology of St. Thomas. Open only to Brothers Scholastics. Two terms. *Six credits*

THEOLOGY 119. CHRISTIAN MARRIAGE IN THE MODERN WORLD.

A course on marriage, open only to seniors as an independent elective or substitute for Theology 417, staffed by a theologian, a psychologist, and a sociologist. Theologically, the course will consider the sacramentality of marriage—a sign of Christian Faith which nourishes the Faith of the believers and provides an apostolic witness to the world. The psychological aspect will be concerned with marriage as a means of human fulfillment. The sociological perspective will present an understanding of the modern American family—its historical development, family values and practices, and an assessment of contemporary ideals and behavior regarding sex and family life.

Three credits

THEOLOGY 423-424. THE THEOLOGY OF THE SACRAMENTS.

An introduction to sacramental worship, exploring the sacramental nature of salvation and the concept of a sacrament. Fall Term: the Sacraments of Initiation: Baptism, Confirmation, and the Eucharist. Spring Term: Sacraments of Reconciliation: Penance and Anointing; and, the two Social Sacraments: Orders and Matrimony. Open only to Brothers Scholastics. Two terms.

Six credits

THEOLOGY 440. HISTORICAL ORIGINS OF WORLD RELIGIONS.

A cultural and historical approach to the rise and development of Judaism, Christianity, Islam, and the major oriental reli-

gions. Given in the spring term only. For Non-Catholic students. Catholic students may take this course as a substitute for Theology 217, 317, or 117. *Three credits*

THEOLOGY 451. THE HISTORY AND THEOLOGY OF LITURGICAL WORSHIP.

A study of the growth and development of the Baptismal and Eucharistic Liturgy through a consideration of its historical sources; discussion of Conciliar teaching and contemporary thought on the Christological and ecclesial dimensions of sacramental encounter. Given in the spring term only. Open to students of the Honors Program.

Three credits

HISTORY 371-372. DIVIDED CHRISTENDOM.

See p. 71 of the History section of the catalogue for a description of these courses. Either course may be taken as a substitute for Theology 217 or 317; also open to Non-Catholic students. Two terms.

Six credits

PHILOSOPHY 313. INTRODUCTION TO MORAL PHILOSOPHY.

See p. 79 of the Philosophy section of the catalogue for a description of this course. For Non-Catholic students. Given in the fall term only.

Three credits

PHILOSOPHY 314. APPLIED MORAL PHILOSOPHY.

See p. 79 of the Philosophy section of the catalogue for a description of this course. For Non-Catholic students. Given in the spring term only.

Three credits





Brother David Pendergast, Dean

School of Business Administration

The School of Business Administration was established as a separate division of the College in 1955 to offer an increased variety of programs to students preparing for a business career.

The School offers programs of study leading to the Bachelor of Science degree in Accounting, General Business, Finance, Industrial Management, Industrial Relations, and Marketing.

Concentration in one of these areas will prepare you for entry into that particular area of business endeavor or for further graduate study in the field of business. Moreover, all of these curricula provide a sound core of courses in the humanities, science, and the social sciences to further the intellectual development of the whole man.

OBJECTIVES

Over and above the general objectives of the College, the School of Business Administration, while providing a sound general education through a substantial program in the liberal disciplines, strives to give a basic understanding of business as a foundation for specialization in a particular area. This broad background is provided through a study of the organization and structure of business as an enterprise; a study of economic forces and the problems created by them; a study of the legal foundations of business and of the fundamental skills used in business organizations.

PROGRAMS OF STUDY

ACCOUNTING

The Accounting curriculum is designed to ground the student in all of the accounting processes that he will need to know in entering business, in preparing for the licensing examinations for the professional degree of Certified Public Accountant, or in entering a graduate school of accounting.

FINANCE

This curriculum studies the structural organization and operation of our economic and financial systems and their inter-relationships with the specific techniques and practices of financial institutions of all types in the United States.

GENERAL BUSINESS

This curriculum is designed to prepare the student to enter the business world well-equipped with a general knowledge of the principles that govern business operations, or to enter a graduate school of business.

INDUSTRY

This curriculum stresses the various factors that enter into the organization and operation of a business establishment; these factors are integrated with specialized courses in such subjects as production control, industrial relations, etc.

INDUSTRIAL RELATIONS

This curriculum is substantially similar to that in management. Emphasis, however, is placed upon personnel relations and labor organizations.

MARKETING

This curriculum studies those activities—sales, advertising, sales management, wholesaling, retailing, merchandising, sales promotion, marketing research—which are involved in the flow of goods and services from the point of production to the consumer.

EXPLANATION OF OPTIONS

A full four-year listing of the courses prescribed for each of the above programs will be found under the departmental listing in the pages following. Departments are listed alphabetically. Since the general business program does not fall under any single department, however, that curriculum is listed first.

In the programs for majors listed on the pages following, you will note that sophomores may elect either mathematics or science. The science course chosen may be either Biology 117-118 (6 credits), Astronomy 101-102 (6 credits), Geology 101-102 (6 credits), or Chemistry 101-102 (8 credits)

GENERAL BUSINESS

MELVIN F. WOODS, M.A.

FIRST YEAR			
<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
Accounting 101	3	Accounting 102	3
Economics 111	3	Economics 112	3
English 101	3	English 102	3
History 123	3	History 124	3
Military Science 101	1	Military Science 102	1
	—		—
	16		16
SECOND YEAR			
<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
Business Law 201	2	Business Law 202	2
English 205	3	English 206	3
Finance 201	3	Finance 202	3
Mathematics 101 or Science	3 or 4	Mathematics 102 or Science	3 or 4
	—		—
	14 or 15		14 or 15
THIRD YEAR			
<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Accounting 302	4	Psychology 101	3
Economics 313	3	Fine Arts 205	3
Marketing 201	3	Marketing 202	3
Elective	3	Elective	3
	—		—
	16		15
FOURTH YEAR			
<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Finance 301	2	Finance 302	2
Insurance 111	3	Insurance 412	3
Psychology 321	3	Finance 401	4
Elective	3	Elective	3
	—		—
	14		15

ACCOUNTING

FRANCIS J. GUERIN, C.P.A., Chairman

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
English 101	3	English 102	3
History A Elective	3	History A Elective	3
Accounting 101	3	Accounting 102	3
Economics 111	3	Economics 112	3
Military Science 101	1	Military Science 102	1
	—		—
	16		16

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
English 205	3	English 206	3
Mathematics 101 or Science	3 or 4	Mathematics 101 or Science	3 or 4
Accounting 201	3	Accounting 202	3
Business Law 201	2	Business Law 202	2
	—		—
	14 or 15		14 or 15

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Accounting 303	3	Accounting 304	3
Finance 201	3	Finance 202	3
Psychology 101	3	Accounting 305	3
Elective	3	Elective	3
	—		—
	15		15

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Economics 313	3	Fine Arts 205	3
Accounting 405	3	Accounting 406	3
Accounting 407	4	Accounting 440	3
Elective	3	Elective	3
	—		—
	16		15

ACCOUNTING 101, 102. PRINCIPLES OF ACCOUNTING.

A thorough training in the fundamental principles of recording business transactions, including a study of the presentation and interpretation of the financial data of a single proprietorship, partnership and corporation. *Six credits*

ACCOUNTING 201, 202. ACCOUNTING THEORY.

Application of current accounting princi-

ples and procedures to such problems as balance sheet valuation, profit determination, equity presentation, flow of working capital, depreciation of tangibles and intangibles, application of funds and comparative statement presentation. Prerequisites: Accounting 101, 102. *Six credits*

ACCOUNTING 302. COST ACCOUNTING.

Similar to Accounting 303, 305, but intended for students not majoring in Ac-

counting. Prerequisite: Accounting 101, 102. *Four credits*

ACCOUNTING 303, 305. Cost

ACCOUNTING.

Discussion of the necessity, importance and place of cost accounting in modern enterprise; control of material; control of labor; distribution of factory overhead expense; consideration of forms used in "job" and "process" cost systems. Investigation of present day trends in cost accounting based on pre-determined standards; problems which arise in connection with the preparation and application of budgets and managerial reports. Prerequisite: Accounting 101, 102. *Six credits*

ACCOUNTING 304. AUDITING.

A practical presentation of modern audit practices, emphasizing the principles and objectives of an audit. Analysis is made of the audit basis, the best standards, objective reporting, the adoption of improved accounting standards, business controls, professional ethics and legal liability. Prerequisites: Accounting 201, 202. *Three credits*

ACCOUNTING 306. FINANCIAL

STATEMENT ANALYSIS.

Comparative analyses by percentages, ratios, trends, graphic reports and projections applicable to the Balance Sheet and Income Statement. A study of the structure and meaning of accounts and peripheral statements such as Application of Funds, Break-even analysis. Prerequisite: Accounting 101, 102. *Three credits*

ACCOUNTING 308. ACCOUNTING INFORMATION SYSTEMS.

A thorough study of contemporary accounting practice in data communication and data processing. Systems analysis, flow charting, software and hardware descriptions and practical applications to auditing and general accounting problems. Prerequisite: Accounting 101, 102. *Three credits*

ACCOUNTING 403, 406. ADVANCED

ACCOUNTING THEORY AND PROBLEMS.

A detailed study of home office and branch accounting; correction of financial statements; partnership adjustments and liquidations; mergers and the preparation of consolidated financial statements; insolvency in connection with realization and liquidation. Prerequisite: senior rating. *Six credits*

ACCOUNTING 407. INCOME TAXES.

Training in the application of the basic principles to the solution of tax problems: individual income tax returns, inclusions, exclusions and capital gain or loss applicable thereto; pay-as-you-go tax collection system; partnership, corporation and fiduciary income tax returns; social security, estate and gift taxes. Prerequisites: Accounting 101, 102. *Four credits*

ACCOUNTING 440. ACCOUNTING SEMINAR. Research in selected topics of accounting theory will enable the student to think critically and in an orderly fashion. Questions dealing with debatable areas of accounting will be discussed and the actual treatment in published reports will be reviewed. Prerequisite: senior rating. *Three credits*



BUSINESS LAW

BUSINESS LAW 201. 202. LAW OF

CONTRACTS.

Introduces the student to the more common rules and principles governing business transactions; the rights and duties of individuals resulting from contractual and quasi-contractual obligations; and the legal relationship of principal and agent.

Four credits

BUSINESS LAW 302. LAW OF BUSINESS

ASSOCIATIONS.

Common and statute laws relative to the creation, operation and termination of partnerships, joint stock companies, business trusts, and corporations. Emphasis on the Uniform Partnership Act and the Business Corporation Law of the State of Pennsylvania. Prerequisite: Business Law 201-202.

Three credits

BUSINESS LAW 303. LAW OF PERSONAL

PROPERTY.

Common and statute laws relative to the purchase, sale, transfer and bailment of personal property. Includes secured trans-

actions; the legal relationship of bailor and bailee carriers and shippers or passengers; vendor and vendee. Prerequisite: Business Law 201-202.

Three credits

BUSINESS LAW 305. LAW OF REAL

ESTATE.

Common and statute law and court processes which the real estate salesman and broker encounter daily, including the legal principles applicable to the agreement of sale, mortgages, deeds, leases, adverse possession, easements, licenses, proving and recording title. Prerequisites: Business Law 201-202; Business Law 303.

Three credits

BUSINESS LAW 404. LAW OF NEGOTIABLE

INSTRUMENTS.

Application of the principles of common law and those of the uniform commercial code to the various papers used in business transactions; The laws of principal and surety, and insurer and insured as related to the use of commercial paper. Prerequisite: Business Law 201-202.

Three credits

FINANCE

JAMES J. HENRY, LL.D., Chairman

FIRST YEAR

Fall

Theology 117
English 101
History A Elective
Accounting 101
Economics 111
Military Science 101

3
3
3
3
3
1
—
16

Spring

Philosophy 107
English 102
History A Elective
Accounting 102
Economics 112
Military Science 102

3
3
3
3
3
1
—
16

SECOND YEAR

Fall

Theology 217
English 205
Finance 201
Business Law 201
Mathematics 101 or
Science

3
3
3
2
—
3 or 4
—
14 or 15

Spring

Philosophy 206
English 206
Finance 202
Business Law 202
Mathematics 102 or
Science

3
3
3
2
—
3 or 4
—
14 or 15

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Finance 301	2	Finance 302	2
Finance 401	4	Psychology 101	3
Economics 313	3	Fine Arts 205	3
Elective	3	Elective	3
	—		—
	15		14

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Marketing 201	3	Marketing 202	3
Finance 403	4	Finance 402	4
Insurance 411	3	Insurance 412	3
Elective	3	Elective	3
	—		—
	16		16

FINANCE 201, 202. MONEY AND CREDIT.

The principles of money, monetary standards and the means used by commercial banks to create credit. Particular emphasis given to the effect on our economy of Federal Reserve policy and U.S. treasury fiscal policy. *Six credits*

FINANCE 301, 302. STOCK MARKETS.

A study of the functions of the stock exchange and the procedure of trading and executing orders on the floor of the exchange with their effect on prices. Current market movements are studied and analyzed with the use of current materials and special projects. Consideration is given to federal regulations and to the delivery, transfer and clearing of stocks. *Four credits*

FINANCE 401. CORPORATION FINANCE.

The principles and practices necessary to

establish a business enterprise; promotion, financing, types of securities, expansion, consolidation, insolvency and reorganization. *Four credits*

FINANCE 402. INVESTMENTS.

Analysis of the types of investments and kinds of risk represented. Some consideration of standards involved in the selection of an investment portfolio. *Four credits*

FINANCE 403. FINANCIAL INSTITUTIONS.

Supervised reading and research on financial institutions, financial management, and securities and investments. Study projects will review past problems, their solutions, and analyses of contemporary situations. Open only to senior finance majors. *Four credits*

INDUSTRY

BERNARD B. GOLDNER, Ph.D., Chairman

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
Accounting 101	3	Accounting 102	3
English 101	3	English 102	3
History A Elective	3	History A Elective	3
Economics 111	3	Economics 112	3
Military Science 101	1	Military Science 102	1
	—		—
	16		16

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
English 205	3	English 206	3
Business Law 201	2	Business Law 202	2
Industry 201	3	Industry 202	3
Mathematics 101 or Science	3 or 4	Mathematics 102 or Science	3 or 4
	—		—
	14 or 15		14 or 15

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Accounting 302	4	Industry 310	3
Industry 317	4	Industry 318	4
Psychology 101	3	Fine Arts 205	3
Elective	3	Elective	3
	—		—
	17		16

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Finance 201	3	Finance 202	3
Industry 440	3	Industry 407	3
Industry 420	4	Industry 408	3
Elective	3	Elective	3
	—		—
	16		15

INDUSTRY 201. MANAGEMENT

IN THE UNITED STATES.

Study and analysis of the structure, technology, and competitive patterns of business and management in the United States with emphasis on the production aspects involved. *Three credits*

INDUSTRY 202. PRINCIPLES OF INDUSTRIAL MANAGEMENT.

A comprehensive study of the principles and problems of modern industrial management including physical facilities, standardization, design and inspection, budgetary control and organization; the key course for industrial management majors. Prerequisite: Industry 201. *Three credits*

INDUSTRY 301. READING LIST.

A collection of readings designed to improve students' level of comprehension and literary expression. No class meetings; individual conferences with instructors. Required for, and restricted to, industrial relations majors. *One credit*

INDUSTRY 310. MATERIALS

MANAGEMENT.

The principles of modern, scientific materials control, including organization, purchasing, quality control, inventory control, procurement of transportation services, and sources of supply. *Three credits*

INDUSTRY 317. LABOR PROBLEMS IN AMERICA.

Identical with Economics 317. *Four credits*

INDUSTRY 318. INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT.

Designed to train students to analyze existing programs, to adapt procedures and to develop original methods which will insure efficient personnel administration. Topics include job analysis, selection, promotion and transfer, attitudes and morale, health and safety. Outside readings and term paper required. *Four credits*

INDUSTRY 401. READING LIST.

A continuation of Industry 301. *One credit*



INDUSTRY 405. LABOR LEGISLATION.

Study and analysis of the important federal statutes affecting labor-management relations, including the Railway Labor Act of 1926, the Norris-LaGuardia Act, the Taft-Hartley Act, and the Landrum-Griffin Act. Outside readings and reports required.

Four credits

INDUSTRY 406. COLLECTIVE BARGAINING.

Study of external and internal factors influencing the establishment of trade agreements and the application of these provisions to day-to-day employer-employee problems through an analysis of authentic cases drawn from industry. Two hour seminar meets twice weekly.

Four credits

INDUSTRY 407. PRODUCTION CONTROL.

The principles involved and the problems which arise in establishing and administering a program of production planning and control. Includes a study of forecasting, routing, scheduling, dispatching, expediting and coordination. Open only to industry seniors. Term paper required. Prerequisite: Industry 202.

Three credits

INDUSTRY 408. FIELD WORK IN INDUSTRY.

Class discussion and written reports based on observation of modern industrial methods as applied by companies in the Philadelphia area. A comprehensive report on each plant visited is required every week. Open only to industrial management seniors. Given only in Spring term. Prerequisites: All Industry courses.

Three credits

INDUSTRY 417. INTERNATIONAL LABOR-MANAGEMENT RELATIONS.

A study of the structure and operation of

labor and management institutions in certain selected countries abroad. Special emphasis on individual labor-management relationships, as well as on the social, economic, and political environment conditioning these relationships. *Three credits*

INDUSTRY 420. BUSINESS POLICY AND SIMULATION.

Opportunities are provided to coordinate and apply theoretical knowledge gained in previous courses in the area of Business Administration. Through simulated management of an organization, decisions will be made, problems solved and results analyzed. Authorization of Department Chairman required.

Four credits

INDUSTRY 430. BUSINESS COMMUNICATION.

Classroom situations are contrived to encourage and stimulate the student to communicate his thoughts as accurately and promptly as possible. Course divided equally between theory and practice; theory involves investigation of some great critical writing; practice consists of case situations which will supply an environment for the student to communicate his thoughts.

Two credits

INDUSTRY 440. CREATIVE THINKING AND EXECUTIVE DECISION MAKING.

Principles and techniques of how to think creatively. Each student engages in creative exercises. Complex cases for realistic decision-making are analyzed and evaluated in writing. Comprehensive reports required. Authorization of Department Chairman required.

Three credits

INDUSTRIAL RELATIONS

CHARLES A. J. HALPIN, JR., LL.B., M.A., Chairman

The Industrial Relations curriculum for the first two years is identical with the Industry curriculum.

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Economics 313	3	Economics 314	3
Industry 317	4	Industry 318	4
Psychology 101	3	Fine Arts 205	3
Elective	3	Elective	3
—	—	—	—
16		16	

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Industry 405	4	Industry 406	4
Marketing 201	3	Marketing 202	3
Industry 407	3	Industry 440	3
Elective	3	Elective	3
—	—	—	—
16		16	

INSURANCE

INSURANCE 411, 412. INSURANCE

PRINCIPLES AND PRACTICES.

A survey of the underlying principles, practices, and legal aspects of life, fire, marine,

fidelity and corporate surety, employer's liability, title and credit insurance.

Six credits

MARKETING

GEORGE R. SWOYER, M.B.A., Chairman

FIRST YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 117	3	Philosophy 107	3
Accounting 101	3	Accounting 102	3
Economics 111	3	Economics 112	3
English 101	3	English 102	3
History A Elective	3	History A Elective	3
Military Science 101	1	Military Science 102	1
—	—	—	—
16		16	

SECOND YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 217	3	Philosophy 206	3
English 205	3	English 206	3
Mathematics 101 or Science	3 or 4	Mathematics 102 or Science	3 or 4
Marketing 201	3	Marketing 202	3
Business Law 201	2	Business Law 202	2
	—		—
	14 or 15		14 or 15

THIRD YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 317	3	Philosophy 305	3
Economics 313	3	Industry 317	4
Finance 201	3	Finance 202	3
Marketing 304	3	Marketing 305	3
Elective	3	Elective	3
	—		—
	15		16

FOURTH YEAR

<i>Fall</i>		<i>Spring</i>	
Theology 417	3	Philosophy Elective	3
Psychology 101	3	Fine Arts 205	3
Marketing 400	2	Marketing 401	2
Marketing 402	3	Marketing 410	3
Elective	3	Elective	3
	—		—
	14		14

MARKETING 201, 202. PRINCIPLES OF MARKETING.

Traces process by which goods get from producer to consumer. Discussion of role of middleman, markets, trade channels, and other critical areas of distribution.

Six credits

MARKETING 301. PERSONAL SELLING.

The development, importance and practice of individual selling in the economy. Consideration is given to sales personality, the phases of a sales presentation, types of buyers and ethics in salesmanship.

Three credits

MARKETING 305. SALES ADMINISTRATION.

The activities of a sales administrator in directing and controlling a sales force: the recruiting, selecting, training, compensating, motivating and supervising of salesmen; establishment of sales territories, quotas and budgets.

Three credits

MARKETING 400, 401. MARKETING RESEARCH.

The use of scientific method in the solution of specific marketing problems and in the conduct of general market research studies: methods of marketing research, gathering data, tabulation and analysis, interpretation of results and report presentation.

Four credits

MARKETING 402. ADVERTISING.

The role of advertising in the economy, planning the advertising campaign, physical production of the advertisement, a comparison of the various media, and the functions of an advertising agency.

Three credits

MARKETING 410. MARKETING MANAGEMENT.

Integrates all other Marketing courses. Study of actual cases encourages development of management capacity and ability to make decisions based on factual analysis. For seniors only.

Three credits

Scholarships and Financial Assistance

All applicants for financial assistance must submit to the Office of the Financial Aid Director at La Salle the Parents' Confidential Statement of the College Scholarship Service. These forms may be obtained from the high school guidance counselor.

Scholarship awards by the College are of two kinds—those offered in open competition and those granted to specific high schools.

COMPETITIVE SCHOLARSHIPS

La Salle College sponsors four National Merit Scholarships annually. To be eligible for one of these scholarships, a student must take the regular National Merit Scholarship Test and must indicate his intention of attending La Salle College. These scholarships are administered by the National Merit Scholarship Corporation; it uses the regular procedures of its national competition and assigns the amount of the award based on need with a maximum of \$1500 each year for four years.

In addition to these scholarships, La Salle College also provides partial grants to other qualifiers in the National Merit competition. Inquiry concerning these latter grants should be directed to the Office of the Financial Aid Director at the College.

Ten competitive scholarships, open to Catholic men who are high school seniors or graduates, are offered annually. Application forms for the competitive scholarships may be obtained from the Financial Aid Director of the College or from the applicant's high school principal. The completed form must be received by La Salle College not later than February 1st. The applicant must arrange to take the tests of the College Entrance Examination Board in Scholastic Aptitude and the English Composition Achievement Test (not the Writing Sample) no later than the January testing date. Arrangements for the tests must be made directly with the College Entrance Examination Board, Princeton, New Jersey. Applicants must request the Board to send results to the Admissions Office, La Salle College, Philadelphia 41, Pennsylvania.

PRINCIPALS' SCHOLARSHIPS

A number of high schools enjoy the privilege of appointing a male honor graduate to La Salle College each year. Their scholarships cover full tuition and are renewable for four years provided the recipient maintains a "B" average. Winners of these scholarships have typically been students who (1) rank among the first members of their senior class, (2) have English Achieve-

ment scores above 600, and (3) combined Scholastic Aptitude scores of about 1300. The Principals who have the opportunity of appointing students to these scholarships are those of every high school conducted by the Christian Brothers in the Baltimore Province and every archdiocesan Catholic high school in the Archdiocese of Philadelphia.

Applications for these scholarships are made to the Principal of the high school, early in the senior year. Awards are announced by March 15th.

ARMY ROTC SCHOLARSHIPS

The Department of the Army sponsors two and four year scholarships for students in the ROTC program. Each scholarship provides free tuition, textbooks, and laboratory fees and carries a \$50.00 monthly stipend. This pay is increased to \$120 monthly during summer encampment.

Application for four year scholarships should be made by high school seniors as soon as they have been accepted at La Salle. Applications should be addressed to: Commanding General, First United States Army, ATTN: AIABC—RN, Fort Meade, Md. 20755.

SCHOLARSHIPS FROM OTHER SOURCES

A certain number of scholarships and grants are annually made available by various agencies in the Philadelphia community to students entering the College or to upper-classmen already in attendance. A number of students each year also have scholarships which they have won in open competition at the city, state or national level. Among the chief grants of the first type are the following:

Food Fair Stores Scholarships: The Food Fair Foundation grants annually one scholarship valued at five hundred dollars per year for four years, to employees, sons of employees, or sons of deceased employees. Applications are made directly to the College. Awards are made on the basis of civic interest, leadership and scholarship.

The Martin de Porres Scholarship: This four-year scholarship covering full tuition and books is awarded on the basis of the high school record and the College Board Scholastic Aptitude Test scores. It is available to a Catholic Negro student residing within 100 miles of Philadelphia. Candidates should apply before May 6th to M. H. McCloskey, III, Martin de Porres Foundation, 2050 Suburban Station Building, Philadelphia, Pa. 19103.

A grant of \$1000 from the Philadelphia Council of the Knights of Columbus is given to La Salle College annually to be divided among four students who show evidence of financial need, who have affiliation with the

Knights of Columbus, and who are capable of maintaining above average scholastic standing.

Information about off-campus grants frequently held by La Salle students which involve competition or appointment can be obtained from the following:

1. The City Scholarship Committee, Commission on Higher Education, The Free Library, Logan Square, Philadelphia, Pa. 19103.
2. State Competitive Scholarship, Department of Public Instruction, Division of Testing, Harrisburg, Pa. 17126.
3. Bulletin Scholarship Foundation, Bulletin Bldg., Philadelphia, Pa. 19101.
4. The Hero's Scholarship, 412 Land Title Bldg., Philadelphia, Pa. 19110.
5. State Veteran's Scholarship, Commonwealth of Pennsylvania, Department of Military Assistance, South Office Bldg., Harrisburg, Pa.
6. J. Wood Platt Caddie Scholarship, c/o Cecil J. Barnett, Esq., 29 Bala Avenue, Bala-Cynwyd, Pa.
7. New Jersey State Scholarship, Department of Education, 175 W. State Street, Trenton 8, N. J.

Awards and Honors

The following prizes are awarded annually:

The Beverly A. Finkle Award of fifty dollars in memory of the late Dr. Beverly Finkle is offered to the student of the senior class who has the best record in scholarship.

The Harrity Memorial Award for Religious Instruction, founded by Mrs. William F. Harrity, in memory of her husband, the late Honorable William F. Harrity, is open to all college students. It is awarded through a competitive examination.

The Anastasia McNichol Award for English Essay, founded by the late Honorable James P. McNichol, is open to all college students.

The William T. Connor Awards totaling one hundred dollars, in memory of William T. Connor, Esq., '00, LL.D., '39, Trustee of the College, are offered to those seniors who have excelled in certain subjects.

The John McShain Award of fifty dollars, donated by Mr. John McShain, is offered to the senior who has maintained a high scholastic record and who was most active in promoting, apart from athletics, the interests of the College.

The John J. Mooney Award, established under the will of Anna E. Wingert, in memory of John J. Mooney, an alumnus of La Salle College, is granted to the senior with the best scholastic record in language and literature.

The Honorable Vincent A. Carroll Award, donated by the Honorable Vincent A. Carroll, is offered to the senior who has the best scholastic record in Philosophy.

The Vernon Guischard Award of fifty dollars is granted annually to the student in the Upper Division of the Department of French who has maintained the best scholastic record in the study of the language and literature of France.

Two medals, provided by the French Government, are awarded annually to students proficient in the language and literature of France.

The Monsignor John J. Bonner Award is offered to the senior who has the highest over-all average in the area of Business Administration.

The Charles V. Kelly Memorial Award is offered to the senior with the best scholastic record in English studies.

The Philadelphia Chapter of the Pennsylvania Society of Public Accountants Award is offered to the senior with the highest scholastic average in accounting.

The Pennsylvania Institute of Certified Public Accountants Awards presented to two seniors in recognition of their high scholastic record in accounting subjects and the demonstration of qualities of leadership.

The Alpha Epsilon Honor Society Award, donated by the Society, is offered to a senior with an excellent scholastic record who has shown great interest in extracurricular activities.

The Biology Department Award is granted to the senior giving evidence of the best mastery of the arts and techniques employed in Microscopy and Micrology.

The Alpha Epsilon Delta Award is given to the outstanding senior who proposes to enter one of the "healing" professions or intends to do research in biology.

The John G. Wurtz, M.D., Memorial Award is given to the student graduating in biology who has shown the greatest improvement in academic index from the end of his sophomore year to the time of graduation.

The La Salle Alumni Medical Association Award is presented to the outstanding senior preparing for the medical profession.

The James A. Finnegan Memorial Award is presented to the senior who exemplifies in an eminent manner Christian ideals of social justice in student government and campus political affairs.

The Roman Catholic High School Alumni Association Awards are given to the two alumni of that high school having the highest scholastic average in the School of Arts and Sciences and the School of Business Administration respectively.

The Philadelphia Chapter of the American Marketing Association offers an award to a senior with a superior scholastic record who shows unusual capacity for growth in the field of Marketing.

The Masque Award is presented to the member of the senior class who, while maintaining a high scholastic average, has done most for the La Salle College Theater.

MILITARY SCIENCE AWARDS

The Governor's Award presented by the Governor of the Commonwealth of Pennsylvania to the graduating cadet with the highest academic excellence in all studies.

The Army ROTC Sabre presented by La Salle College to the graduating cadet with the highest academic excellence in Advanced Course Military studies.

The Superior Cadet Ribbon Awards presented by the Professor of Military Science to the outstanding cadets for each academic year.

The Lieut. John J. Henry Memorial Award, a marine officer's Mameluke sword, is presented to the outstanding graduating senior who is being commissioned a Marine Second Lieutenant.

Other awards are given by the Philadelphia Chapter of the Reserve Officers Association, Sons of the American Revolution, The Military Order of World Wars, The Military Order of the Loyal Legion, Veterans of Foreign Wars, Catholic War Veterans, The National Guard Association of Pennsylvania, and the Association of the United States Army to cadets who have exhibited outstanding qualities of leadership, high moral character, and academic distinction.

College Administration

BOARD OF MANAGERS

BROTHER JAMES B. CAREY, F.S.C., M.A., Chairman
BROTHER DANIEL BERNIAN, F.S.C., Ph.D., LL.D., President
BROTHER FRANCIS X. KAMERDZE, F.S.C., Ph.D.
BROTHER JAMES KAISER, F.S.C., S.T.D.
BROTHER JAMES CONAGHAN, F.S.C., M.A., LL.D.
BROTHER EDWIN ANSELM, F.S.C., M.A., LL.D.
BROTHER EINGAN FRANCIS, F.S.C., M.A., PED.D.
RT. REV. MSGR. THOMAS F. McNALLY, P.A., LL.D.
JOHN MCSHAIN, Sc.D.
JOSEPH SCHMITZ, JR., Sc.D.
H. BLAKE HAYMAN, M.D., LL.D.
JOHN F. CONNELLY, LL.D.
JOSEPH B. QUINN, Esq., LL.D., Legal Advisor
JOSEPH SPRISLER, D.C.S., Financial Advisor

EXECUTIVE COMMITTEE

BROTHER JAMES B. CAREY, F.S.C., Chairman; BROTHER DANIEL BERNIAN, F.S.C.; RT. REV. MSGR. THOMAS F. McNALLY; JOHN MCSHAIN; BROTHER EDWIN ANSELM, F.S.C.; BROTHER FRANCIS X. KAMERDZE, F.S.C.; BROTHER JAMES KAISER, F.S.C., Secretary.

FINANCE COMMITTEE

BROTHER JAMES B. CAREY, F.S.C., Chairman; BROTHER DANIEL BERNIAN, F.S.C.; BROTHER JAMES CONAGHAN, F.S.C.; H. BLAKE HAYMAN; BROTHER EINGAN FRANCIS, F.S.C.; BROTHER JAMES KAISER, F.S.C., Secretary.

COMMITTEE ON NOMINATIONS

BROTHER JAMES B. CAREY, F.S.C., Chairman; BROTHER DANIEL BERNIAN, F.S.C.; JOSEPH SCHMITZ, JR.; JOHN F. CONNELLY; BROTHER JAMES KAISER, F.S.C., Secretary.

OFFICERS OF THE CORPORATION

BROTHER JAMES B. CAREY, F.S.C.
BROTHER DANIEL BERNIAN, F.S.C.
BROTHER FRANCIS X. KAMERDZE, F.S.C.
BROTHER JAMES KAISER, F.S.C.

Chairman of the Board
President, Treasurer
Vice-President
Secretary



PRESIDENT

BROTHER DANIEL BERNIAN, F.S.C., PH.D., LL.D.

ACADEMIC ADMINISTRATION

Vice-President, Academic Affairs
 Dean of Arts and Sciences
 Dean of Business Administration
 Dean of the Evening Division
 Director of Admissions
 Director of the Library
 Director, Honors Program
 Director, Summer Sessions
 Registrar
 Associate Registrar
 Chairman of Roster Committee
 Assistant Dean, Evening Division
 Assistant Director of Admissions, Evening Division
 Assistant to the Director of Admissions
 Director, La Salle in Europe

BROTHER DANIEL BURKE, F.S.C., PH.D.
 BROTHER ROBERT DORAN, F.S.C., M.A.
 BROTHER DAVID PENDERGAST, F.S.C., M.A.
 BROTHER EMERY C. MOLLENHAUER, F.S.C., PH.D.
 BROTHER F. CHRISTOPHER, F.S.C., PH.D.
 BROTHER THOMAS WARNER, F.S.C., B.S. IN L.S.
 BROTHER F. PATRICK ELLIS, F.S.C., PH.D.
 BROTHER THOMAS J. DONAGHY, F.S.C., PH.D.
 BROTHER G. JOSEPH DOWNING, F.S.C., PED.D.
 MARGARIT KEILY LENNON, B.A.
 BROTHER G. JOHN OWENS, F.S.C., PED.D.
 DAVID J. SMITH, B.A.
 JOHN J. KING, B.A.
 JAMES F. REILLY, B.A.
 LEONARD A. BROWNSTEIN, M.A.

STUDENT PERSONNEL ADMINISTRATION

Vice-President, Student Affairs
 Dean of Men
 Chaplain
 Director of Counseling Center
 Financial Aid Director
 Director of College Union
 Director of Athletics
 College Physician
 Attending Nurse

BROTHER MARTIN STARK, F.S.C., M.A.
 BROTHER CHARLES E. GRESH, F.S.C., M.LITT.
 REV. FRED REGIS RYAN, O.P., S.T.L.
 THOMAS N. MCCARTHY, PH.D.
 BROTHER FRANCIS J. MCCORMICK, F.S.C., M.A.
 JOHN H. VEEN, B.A.
 JAMES J. HENRY, M.A., LL.D.
 THOMAS MCTEAR, M.D., SC.D.
 RUTH SERCHAK, R.N.

BUSINESS ADMINISTRATION

Vice-President, Business Affairs
Bursar
Assistant Comptroller
Superintendent of Buildings and Grounds
Director of Food Services
Manager of Campus Store

JOSEPH SPRISLER, B.A., D.C.S.
BROTHER EDWARD JOHN, F.S.C., M.A., D.C.S.
DAVID C. FLEMING
DONALD MASSER
WILLIAM HALL
FRANCIS DESALES KERR, B.S.

PUBLIC RELATIONS ADMINISTRATION

Vice-President, Public Relations
College Representative, Special Affairs

Director of News Bureau
Assistant Director of News Bureau
Director of Alumni
Director of Placement
Director of Development
Director, Urban Studies and Community Service Center

JOHN L. McCLOSKEY, M.B.A.
BROTHER JAMES CONAGHAN,
F.S.C., M.A., I.L.D.
RALPH HOWARD, B.A.
ROBERT LYONS, JR., B.A.
JAMES McDONALD, B.A.
L. THOMAS REIFSTECK, M.B.A.
JOHN L. McCLOSKEY, M.B.A.
JOHN F. McNELIS, M.A., I.L.B.

ADMINISTRATIVE AND FACULTY COMMITTEES

THE COLLEGE COUNCIL

BROTHER DANIEL BERNIAN, Chairman; BROTHER DANIEL BURKE; BROTHER MARTIN STARK;
DR. JOSEPH SPRISLER; MR. JOHN McCLOSKEY; BROTHER ROBERT DORAN; BROTHER DAVID
PENDERGAST; BROTHER EMERY C. MOLLENAUER; three elected members from the Faculty
Senate; MRS. MARGARET LENNON, Secretary.

ACADEMIC AFFAIRS

BROTHER DANIEL BURKE, Chairman; BROTHER THOMAS DONAGHY; BROTHER ROBERT
DORAN; BROTHER EMERY C. MOLLENAUER; BROTHER DAVID PENDERGAST; three elected
faculty members, one each from the School of Business Administration, the School of
Arts and Sciences, and the Evening Division.

ADMISSIONS

BROTHER F. CHRISTOPHER, Chairman; BROTHER HUGH ALBRIGHT; MR. JOSEPH CAIRO; DR.
JAMES J. DIVLIN; MR. EDWARD DOMINESKI; BROTHER ROBERT DORAN; BROTHER DAVID
PENDERGAST; MR. JAMES F. REILLY.

ATHLETICS

DR. ROBERT J. COURINFY, Chairman; MR. MICHAEL A. DEANGELIS; FATHER RAYMOND F.
HALLIGAN, O.P.; DR. JAMES J. HENRY; DR. JOSEPH P. MOONEY; BROTHER G. JOHN OWENS;
BROTHER MARTIN STARK.

BUDGET

BROTHER DANIEL BERNIAN, Chairman; BROTHER DANIEL BURKE; MR. JOHN McCLOSKEY;
BROTHER MARTIN STARK; DR. JOSEPH SPRISLER.

CURRICULUM AND DEVELOPMENT

BROTHER DANIEL BURKE, Chairman; DR. RICHARD BOUDREAU; MR. JOHN DALL; DR. BERNARD GOLDNER; BROTHER F. VINCENT GRIMES; DR. THOMAS LOWERY; MR. JOSEPH MARKMANN; DR. RAYMOND J. PIERZCHALSKI; DR. JOHN P. ROSSI; FATHER JOHN E. WRIGLEY.

FELLOWSHIPS

DR. THOMAS MCCARTHY, Chairman; DR. MAX BARTH; DR. BERNHARDT BLUMENTHAL; BROTHER F. PATRICK ELLIS; DR. JOSEPH FLUBACHER; DR. E. RUSSELL NAUGHTON.

PUBLIC RELATIONS

MR. JOHN L. McCLOSKEY, Chairman; BROTHER JAMES CONAGHAN; DR. JAMES HENRY; MR. RALPH HOWARD; MR. JOHN KEENAN; MR. JAMES McDONALD; MR. L. THOMAS REIFSTECK; DR. JOHN ROONEY.

RECOMMENDATIONS FOR MEDICAL AND DENTAL SCHOOLS

BROTHER F. CHRISTOPHER, Chairman; DR. HOWARD L. HANNUM; DR. JOHN S. PENNY; BROTHER WILLIAM QUINN; DR. RALPH TEKFL.

STUDENT AFFAIRS

BROTHER MARTIN STARK, Chairman; MR. JOHN MCGEEHAN; MR. FRANCIS CHAMPINE; DR. JAMES J. HENRY; MR. HARRY CARBERRY; BROTHER CHARLES GRESH; DR. THOMAS MCCARTHY; MR. GREGORY WOODRING; BROTHER G. JOHN OWENS; FATHER REGIS RYAN, O.P.; MRS. ANDREW SERCIAK, R.N.; MR. JOHN H. VLEN.

THE FACULTY SENATE

Professors: DR. ROBERT COURTNEY; DR. JOSEPH FLUBACHER; CHARLES A. J. HALPIN, JR., Esq.; DR. E. RUSSELL NAUGHTON; BROTHER GREGORY PAUL; DR. JOHN S. PENNY.

Associate Professors: BROTHER HUGH ALBRIGHT; MR. MICHAEL DEANGELIS; MR. FRANK GUERIN; MR. CHARLES V. KELLY; MR. FRANCIS NATHANS.

Assistant Professors: DR. BERNHARDT BLUMENTHAL; MR. GABRIEL DI FEDERICO; DR. JOSEPH O'GRADY; DR. LEO RUDNYTZKY.

Faculty of the College

BROTHER HUGH N. ALBRIGHT, F.S.C. B.A., Catholic University M.A., Ph.D., University of Pennsylvania	Associate Professor, Mathematics
CARL J. ALLEN B.A., Colorado College M.A., Notre Dame University	Assistant Professor, Philosophy
AUSTIN J. APP B.A., St. Francis Seminary M.A., Ph.D., Catholic University	Associate Professor, English
DAVID S. BARNHART, CAPTAIN, ARTY. B.S., Oregon State College	Assistant Professor, Military Science
MAX BARTH B.A., Ph.D., New York University	Professor, Chemistry
JOSEPH W. BEATTY B.A., La Salle College M.A., Johns Hopkins University M.A., Haverford College	Assistant Director, Honors Program
ELVIRA BELTRAMO B.A., Louisiana State University B.S. in L.S., Louisiana State University	Cataloguer
JOHN B. BENNET, JR., LIEUTENANT COLONEL, ARTY. B.S., United States Military Academy M.A., Vanderbilt University	Assistant Professor, Military Science
JOSEPH J. BERNIER B.A., Juniata College M.Ed., Rutgers University	Assistant Professor, Psychology
WILLIAM J. BINKOWSKI B.S., La Salle College M.A., University of Pennsylvania	Associate Professor, Education
BERNHARDT G. BLUMENTHAL B.A., La Salle College M.A., Northwestern University Ph.D., Princeton University	Assistant Professor, German
DIANE BLUMENTHAL B.A., Lake Erie College M.A., Northwestern University	Instructor, German
REVEREND JOHN BOGACZ M.S., Fordham University Doctor of Science, University of Paris	Associate Professor, Biology
RICHARD P. BOUDREAU B.A., Seton Hall M.A., Ph.D., Princeton University	Associate Professor, French
HAROLD F. BRANAM B.A., Berea College B.A., Honours, Leeds University M.A., Temple University	Instructor, English
MARY E. BRODERICK B.S. in Ed., Millersville State Teachers College	Circulation Librarian

LEONARD A. BROWNSTEIN B.A., M.A., Temple University	Assistant Professor, Spanish
MICHAEL K. BUCSEK B.A., La Salle College M.A., University of Kansas	Instructor, French
BROTHER DANIEL BURKE, F.S.C. B.A., Catholic University M.A., Ph.D., Catholic University	Associate Professor, English
JOSEPH P. CAIRO B.A., La Salle College M.A., University of Pennsylvania	Assistant Professor, Economics
JOSEPH M. CARRIO B.A.S., University of Havana	Assistant Professor, Spanish
JEROME F. X. CARROLL B.A., M.A., University of Maryland	Assistant Professor, Psychology
JOHN W. CARSON, CAPTAIN, ARTY. B.S., United States Military Academy	Assistant Professor, Military Science
WILLIAM E. CASHIN B.A., M.A., Catholic University	Assistant Professor, Psychology
BROTHER F. CHRISTOPHER, F.S.C. B.A., M.S., Ph.D., Catholic University	Associate Professor, Biology
JOHN H. CHRISTIE B.S., La Salle College	Lecturer, Insurance
CASIMIR CIESLA Dr. Ret. Pol., University of Innsbruck	Professor, Economics
C. RICHARD CLEARY B.A., St. Peter's College M.A., Ph.D., Fordham University	Professor, Political Science
ROY A. CLOUSER A.B., Gordon College B.D., Reformed Episcopal Seminary M.A., University of Pennsylvania	Instructor, Philosophy
THOMAS M. COFFEE A.B., St. Benedict's College M.A., Emory University Ph.D., University of Notre Dame	Associate Professor, Sociology
BROTHER JAMES CONAGHAN, F.S.C. B.A., Villanova University M.A., University of Pennsylvania LL.D., La Salle College	Lecturer, Theology
BROTHER DAMIAN CONNELLY, F.S.C. B.A., M.S., Ph.D., Catholic University M.A., University of Notre Dame	Professor, Mathematics
JOHN F. CONNORS B.A., Mt. St. Mary's College M.A., Ph.D., Catholic University	Associate Professor, Sociology
JOHN T. CONNORS B.A., La Salle College M.S.W., Fordham University	Assistant Professor, Sociology
PAUL R. COTE, CAPTAIN, ARTY. B.S., Boston College	Assistant Professor, Military Science

ROBERT J. COURTNEY B.A., La Salle College M.A., Niagara University Ph.D., University of Pennsylvania	Professor, Political Science
*DENNIS M. CUNNINGHAM B.A., La Salle College M.A., Villanova University	Assistant Professor, English
J. SANDOR CZIRAKY B.A., La Salle College M.A., University of Notre Dame Ph.D., University of Pennsylvania M.S. in L.S., Drexel Institute	Assistant Professor, History
*JOHN J. DALL B.S., Seton Hall University M.A. (Asian Studies), Seton Hall University M.A. (Economics), Seton Hall University	Assistant Professor, Economics
BROTHER DANIEL BERNIAN, F.S.C. B.A., Catholic University M.A., University of Pennsylvania Ph.D., Laval University LL.D., Villanova University, St. Joseph's College, Temple University	Professor, French
BROTHER EDWARD DAVIS, F.S.C. B.A., Loyola College M.A., La Salle College	Assistant Professor, Theology
MICHAEL A. DE ANGELIS B.S., M.S., Temple University	Associate Professor, Accounting
BROTHER GREGORY CLAUDE DEMETRAS, F.S.C. A.B., M.A., La Salle College Ph.D., University of Pennsylvania	Assistant Professor, Chemistry
EDWARD DEVINNEY B.A., La Salle College	Assistant Professor, Physics
JAMES J. DEVLIN B.A., La Salle College M.A., Ph.D., University of Pennsylvania	Associate Professor, English
GEORGE K. DIEHL Mus.B., M.A., University of Pennsylvania	Assistant Professor, Music
GABRIEL J. DI FEDERICO B.A., St. Charles College M.A., Villanova University	Assistant Professor, Philosophy
DOMENICO A. DI MARCO M.A., D.Litt., University of Rome	Associate Professor, Italian and Classics
EDWARD J. DOMINESKE B.A., LL.B., Cornell University	Associate Professor, Business Law
BROTHER THOMAS J. DONAGHY, F.S.C. B.A., Catholic University M.A., Ph.D., University of Pittsburgh	Associate Professor, History
BROTHER AUSTIN DONDERO, F.S.C. B.A., La Salle College M.Litt., University of Pittsburgh M.A., Ph.D., Catholic University	Associate Professor, Psychology

*On leave

UGO DONINI	Professor, History
B.A., M.A., University of Pennsylvania	
BROTHER ROBERT DORAN, F.S.C.	Associate Professor, English
B.A., Catholic University	
M.A., University of Pennsylvania	
JOHN A. DUFFY	Assistant Professor, Economics
B.A., La Salle College	
DAVID P. EFROYNSON	Assistant Professor, Theology
B.A., M.A., S.T.L., St. Mary of the Lake Seminary	
BROTHER F. PATRICK ELLIS, F.S.C.	Associate Professor, English
B.A., Catholic University	
M.A., Ph.D., University of Pennsylvania	
THEOPOLIS FAIR	Instructor, History
B.A., Fiske University	
Diploma, University of Madrid	
M.A., Columbia University	
JAMES C. FALLON	Assistant Professor, Philosophy
B.S., St. Joseph's College	
ROBERT L. FALLON, LIEUTENANT COLONEL, INF.	Assistant Professor, Military Science
B.S., United States Military Academy	
M.A., Canisius College	
M.A., Ph.D., Columbia University	
WILLIAM J. FARNON	Instructor, Philosophy
A.B., St. Joseph's College	
M.A., Villanova University	
PETER J. FILICETTI	Assistant Professor, Psychology
B.A., Holy Cross College	
M.A., Ph.D., Fordham University	
EUGENE J. FITZGERALD	Associate Professor, Philosophy
B.A., La Salle College	
M.A., Fordham University	
JOSEPH F. FLUBACHIER	Professor, Economics
B.A., La Salle College	
M.A., Ed.D., Temple University	
RABBI BERNARD S. FRANK	Lecturer, Theology
B.A., Brandeis University	
B.H.L., M.A.H.L., Hebrew Union College	
PETER FRANK	Instructor, English
B.A., University of Notre Dame	
M.A., Catholic University	
R. SCOTT FRASER	Assistant Professor, Mathematics
B.A., University of Pennsylvania	
M.S. in E.E., Drexel Institute	
LL.B., Temple University	
CARL L. FROMUTH	Assistant Director, Student Teaching
B.S., M.S., Temple University	
CHARLES J. FULFORTH	Acquisitions Librarian
B.A., La Salle College	
M.A.L.S., University of Michigan	
RICHARD T. GERUSON	Assistant Professor, Economics
A.B., Fordham University	
M.A., New York University	

EDWARD E. GIBBONS B.A., Howard College M.A., University of Kentucky	Assistant Professor, English
JOHN F. GIBBONS B.A., S.T.B., Ph.L., West Baden College	Assistant Professor, Philosophy
BROTHER THOMAS GIMBORN, F.S.C. B.A., M.A., Ph.D., Catholic University M.A., Notre Dame University	Professor, Theology
BERNARD B. GOLDNER B.S., M.A., Ph.D., University of Pennsylvania	Professor, Industry
JOHN GRADY B.A., University of Notre Dame	Assistant Professor, Economics
BROTHER F. VINCENT GRIMES, F.S.C. B.A., M.A., Ph.D., Catholic University	Professor, Psychology
FRANCIS J. GUERIN, C.P.A. B.S., La Salle College	Associate Professor, Accounting
*BROTHER MARK GUTTMANN, F.S.C. B.S., M.S., Catholic University Ph.D., University of Notre Dame	Associate Professor, Physics
BROTHER CHARLES E. GRESH, F.S.C. B.A., M.A., La Salle College M.Litt., University of Pittsburgh	Instructor, English
REVEREND RAYMOND F. HALLIGAN, O.P. B.A., Providence College S.T.B., S.T.L., Pontifical Institute of the Immaculate Conception	Assistant Professor, Theology
CHARLES A. J. HALPIN, JR. B.S., La Salle College LL.B., Temple University M.A., University of Pennsylvania	Professor, Industry
THERESA MARIE HANDFIELD B.S., Wilson Teachers College M.A., Catholic University	Lecturer, English
JAMES A. HANES Diploma, Pennsylvania Academy of Fine Arts American Academy in Rome	Instructor, Art
HOWARD L. HANNUM B.A., La Salle College M.A., Ph.D., University of Pennsylvania	Associate Professor, English
BROTHER RICHARD HAWLEY, F.S.C. B.A., M.A., Catholic University	Instructor, Biology
ARTHUR L. HENNESSY B.A., Catholic University M.A., Harvard University Ph.D., Georgetown University	Associate Professor, History
JAMES J. HENRY B.S., M.A., Villanova University LL.D., La Salle College	Professor, Finance
KENNETH L. HILL B.A., Hofstra University M.A., New York University	Assistant Professor, Political Science

*On leave

PAUL F. HISSIGER B.A., M.A., St. John's University	Instructor, English
CHARLES E. HOFMANN B.A., M.A., Villanova University	Assistant Professor, Mathematics
ROLAND HOLROYD B.S. in Biol., M.A., Ph.D., University of Pennsylvania Sc.D., La Salle College	Professor, Biology
FINN HORNUM B.A., University of Copenhagen M.A., Haverford College	Assistant Professor, Sociology
REVEREND JOHN J. IVERS B.A., St. Charles Seminary S.T.L., Gregorian University	Instructor, Theology
BROTHER F. JOSEPH, F.S.C. B.A., Villanova University B.S. in L.S., Drexel Institute of Technology M.A., University of Pennsylvania	Assistant Professor, German
BROTHER JAMES J. KAISER, F.S.C. B.A., La Salle College M.A., S.T.L., S.T.D., Catholic University	Associate Professor, Theology
WALTER J. KAISER, C.P.A. B.S., La Salle College	Associate Professor, Accounting
*BROTHER FRANCIS X. KAMERDZE B.A., M.A., Ph.D., Catholic University	Associate Professor, Sociology
JOSEPH A. KANE B.S., La Salle College M.S., St. Louis University	Assistant Professor, Economics
JOHN J. KEENAN B.A., La Salle College M.A., University of Pennsylvania	Associate Professor, English
BROTHER JOSEPH KEENAN, F.S.C. B.A., M.A., La Salle College	Assistant Professor, Theology
CHARLES V. KELLY B.A., St. Joseph's College M.A., University of Pennsylvania	Associate Professor, English
BROTHER DAVID KELLY, F.S.C. B.A., Catholic University M.A., Ph.D., University of Pennsylvania	Associate Professor, Classics and Linguistics
BROTHER JOSEPH KERLIN, F.S.C. B.A., M.A., La Salle College Ph.B., Ph.L., Ph.D., Gregorian University, Rome	Assistant Professor, Philosophy
JOHN C. KLEIS B.A., M.A., University of Michigan Ph.D., University of Pennsylvania	Assistant Professor, English
CLAUDE F. KOCH B.S., La Salle College M.A., University of Florida	Professor, English
EUGENE C. KORBECK B.S., M.S., Temple University	Assistant Professor, Education

*On leave

JOSEPH D. KOVATCH B.S., Villanova University M.A., Ph.D., University of Ottawa	Assistant Professor, Psychology
RAYMOND KSIAZEK B.A., La Salle College	Assistant Professor, Biology
CAROL A. KYLE B.A., Duquesne University M.A., University of Pennsylvania	Assistant Professor, English
*MIROSLAV LABUNKA B.A., Culemborg, Netherlands M.S. in I.S., Columbia University Licence en Sciences Historiques, Louvain	Instructor, History
EUGENE LASHCHYK B.A., M.A., City College of New York	Instructor, Philosophy
MARGARET KEILY LENNON B.A., Chestnut Hill College	Associate Registrar
BROTHER E. ADRIAN LEONARD, F.S.C. B.A., Catholic University of America Litt. M., University of Pittsburgh M.A., Ph.D., University of Notre Dame	Assistant Professor, Political Science
RICHARD C. LEONARD A.B., St. Thomas College M.A., Ph.D., Catholic University	Associate Professor, Sociology
THOMAS J. LOWERY B.S., St. Francis College, Brooklyn M.S., Ph.D., Fordham University	Associate Professor, Biology
JOHN LUKACS Ph.D., University of Budapest	Lecturer, History
*BRUCE V. MACLEOD B.A., University of Maine M.I.A., Yale University	Assistant Professor, Industry
SIDNEY J. MACLEOD, JR. B.S.S., St. Mary's College (Minn.) M.F.A., Catholic University	Assistant Professor, English
JOHN J. MCCANN B.A., La Salle College M.A., University of Pennsylvania	Assistant Professor, French
DENNIS J. MCCARTHY B.A., La Salle College M.A., Fordham University	Associate Professor, History
THOMAS N. MCCARTHY B.A., Catholic University M.A., Catholic University Ph.D., University of Ottawa	Professor, Psychology
GEORGE M. MCCLANCY B.A., M.A., Notre Dame University M.A., Catholic University	Assistant Professor, Philosophy
CHARLES D. MCCLOSKEY B.A., La Salle College M.F.A., Catholic University	Instructor, English

*On leave

JOHN McCLOSKEY B.S., La Salle College M.B.A., Temple University	Associate Professor, Marketing
EDWARD J. MCCOOL B.S., La Salle College M.B.A., Harvard University	Assistant Professor, Industry
BROTHER G. VINCENT McENTEE B.A., La Salle College M.A., University of Pittsburgh M.Ed., Temple University LL.D., St. Vincent's College	Assistant Professor, Education and Sociology
STEPHEN T. McFADDEN B.S., St. John's University M.S., Massachusetts Institute of Technology	Instructor, Chemistry
PHILIP E. MCGOVERN B.A., La Salle College M.A., Villanova University	Instructor, Political Science
JOHN F. McNELIS B.S., LL.B., University of Pennsylvania M.A., Temple University	Assistant Professor, Industry
ORMOND P. MACORETTA B.A., St. Michael's College, University of Toronto M.A., University of Toronto	Assistant Professor, Philosophy
JOHN A. MALONE B.S., Villanova University	Lecturer, Chemistry
JOSEPH G. MARKMANN, C.P.A. B.S., La Salle College	Associate Professor, Accounting
BROTHER WILLIAM J. MARTIN, F.S.C. B.A., Catholic University M.A., University of Pittsburgh S.R.L., Pontifical Institute "Jesus Magister" S.T.D., Lateran University, Rome	Assistant Professor, Theology
THOMAS V. MATUSIAK B.A., Iona College M.A., University of Notre Dame	Instructor, Theology
H. CONRAD MEYER B.A., Ursinus College M.A., University of Pennsylvania	Instructor, Economics
JOSEPH C. MIHALICH B.A., M.A., Duquesne University Ph.D., Georgetown University	Associate Professor, Philosophy
BROTHER EMERY C. MOLLENHAUER, F.S.C. B.A., Catholic University M.A., Ph.D., University of Pittsburgh	Associate Professor, English
JOHN T. MOONEY B.A., La Salle College B.S., University of Scranton M.A., Villanova University	Assistant Professor, Mathematics
JOSEPH P. MOONEY B.A., La Salle College M.A., Ph.D., University of Pennsylvania	Associate Professor, Economics

JOSEPH L. MORAN	Assistant Professor, Spanish
B.A., La Salle College	
M.A., Middlebury College	
GLENN A. MOROCCO	Instructor, French
B.S., Miami University of Ohio	
M.A., Middlebury College	
GEORGETTE M. MOST	Reference Librarian
B.A., Swarthmore College	
B.S. in L.S., Drexel Institute of Technology	
BROTHER REGIS MULLEN, F.S.C.	Instructor, Mathematics
B.A., M.A., La Salle College	
M.Sc., University of Notre Dame	
JOHN J. MULLOY	Lecturer, Theology and Anthropology
B.S., St. Joseph's College	
M.A., University of Notre Dame	
EDWARD J. MURPHY, JR., CAPTAIN, ARTY.	Assistant Professor, Military Science
B.S., Loyola College	
FRANCIS J. NATHANS	Associate Professor, Political Science
B.A., La Salle College	
M.A., University of Pennsylvania	
E. RUSSELL NAUGHTON	Professor, Philosophy
B.A., Providence College	
M.A., Ph.D., Catholic University	
ROBERT T. OCHSER	Instructor, Mathematics
B.A., University of Pennsylvania	
JOSEPH P. O'GRADY	Associate Professor, History
B.A., La Salle College	
M.A., University of Notre Dame	
Ph.D., University of Pennsylvania	
MICHAEL A. O'MEARA	Instructor, Finance
B.A., Villanova University	
BROTHER JOHN O'NEILL, F.S.C.	Assistant Professor, Mathematics
B.A., Catholic University	
M.A., Ph.D., University of Pittsburgh	
WILLIAM O'TOOLE	Assistant Professor, History
B.A., La Salle College	
M.A., University of Pennsylvania	
BROTHER GREGORY PAUL, F.S.C.	Professor, Chemistry
B.S., M.S., Ph.D., Catholic University	
LL.D., Villanova University	
BROTHER WALTER J. PAULITS, F.S.C.	Associate Professor, English
B.A., Catholic University	
M.A., Ph.D., University of Pittsburgh	
JOHN S. PENNY	Professor, Biology
B.A., La Salle College	
M.S., Ph.D., University of Pennsylvania	
GEORGE A. PERFECTY	Instructor, Russian
B.A., University of Pennsylvania	
M.A., Columbia University	
MARK G. PEFFLTER	Associate Professor, Psychology
B.A., Eastern Baptist College	
M.A., Ph.D., Temple University	

RAYMOND J. PIERZCHALSKI B.A., M.A., Catholic University Ph.D., University of Ottawa	Assistant Professor, Philosophy
THOMAS R. PHILLIPS B.A., M.A., University of Notre Dame	Assistant Professor, Philosophy
STEPHEN M. PRIPSTEIN A.B., Oberlin College M.A., Temple University	Instructor, English
BROTHER WILLIAM QUINN, F.S.C. B.A., La Salle College M.A., University of Notre Dame M.S., Ph.D., Catholic University	Associate Professor, Physics
ALAN N. RADFMAN B.S., Dickinson College M.A., University of Pennsylvania	Instructor, English
LOUISE RAPPAPORT B.A., Hunter College M.L.S., Drexel Institute	Assistant Reference Librarian
JOHN F. REARDON B.S., La Salle College M.B.A., University of Pittsburgh	Assistant Professor, Accounting
THOMAS REIFSTECK B.S., La Salle College M.B.A., University of Pennsylvania	Associate Professor, Marketing
THOMAS M. RIDINGTON B.A., Haverford College M.Ed., Temple University M.A., M.F.A., University of Pennsylvania	Lecturer, Art
NANCY LEE RIFFE B.A., Agnes Scott College M.A., Radcliffe College Ph.D., University of Kentucky	Associate Professor, English
BROTHER AUGUSTINE ROBERTS, F.S.C. B.A., La Salle College M.A., Duquesne University M.A., University of Pittsburgh	Assistant Professor, Philosophy
DANIEL J. RODDEN B.A., La Salle College M.F.A., Catholic University	Associate Professor, English
JOHN J. ROONEY B.A., La Salle College M.A., Ph.D., Temple University	Professor, Psychology
JOHN P. ROSSI B.A., La Salle College M.A., University of Notre Dame Ph.D., University of Pennsylvania	Assistant Professor, History
LEO D. RUDNYTZKY B.A., La Salle College M.A., University of Pennsylvania Ph.D., University of Munich	Assistant Professor, German

REVEREND REGIS RYAN, O.P. B.A., Providence College S.T.B., S.T.L., Pontifical Institute of the Immaculate Conception	Assistant Professor, Theology
BRONISLAW S. SADNICKI Doctor of Economics and Commerce, University of Rome	Lecturer, Economics
BROTHER GILBERT JUDE SAPONE, F.S.C. B.A., M.A., La Salle College M.Litt., Ph.D., University of Pittsburgh	Assistant Professor, Classics
REVEREND CHARLES G. SCHALLER, O.P. B.A., Providence College S.T.B., S.T.L., Pontifical Institute of the Immaculate Conception	Instructor, Theology
A. CLYDE SCHOCK B.A., M.A., University of Pennsylvania	Lecturer, Mathematics
FRANK J. SCHREINER B.S., Millersville State College Ed.M., Ed.D., Temple University	Assistant Professor, Psychology
JAMES F. SCHROTZ B.A., La Salle College M.A., Laval University	Assistant Professor, French
BROTHER EDWARD PATRICK SHEEKEY, F.S.C. B.A., M.A., La Salle College	Associate Professor, English
ALAN T. SHOST, CAPTAIN, ARTY. B.S., United States Military Academy	Assistant Professor, Military Science
STEPHEN SILVASY, COLONEL, ARTY. B.S., United States Military Academy	Professor, Military Science
JOSEPH W. SIMMONS B.S., M.S., University of Notre Dame	Associate Professor, Physics
JOHN ALEXANDER SMITH B.A., La Salle College M.S., Pennsylvania State University Ed.D., Temple University	Assistant Professor, Psychology
WILLIAM C. SPRINGER B.A., Loyola University of Los Angeles Ph.L., S.T.L., Gregorian University, Rome Ph.D., Rice University	Assistant Professor, Philosophy
BERTRAM STRIEB B.A., M.S., University of Pennsylvania	Assistant Professor, Physics
RICHARD F. STROSSER B.A., La Salle College M.A., Catholic University	Associate Professor, Philosophy
BROTHER NICHOLAS SULLIVAN, F.S.C. B.A., Catholic University M.S., University of Pittsburgh Ph.D., University of Notre Dame D.Sc., University of Melbourne; University of Kyoto; Notre Dame College, Pakistan; University of Cebu, Ceylon; University of San Carlos, Phillipines	Associate Professor, Biology
PETER J. SWENY B.S., La Salle College M.B.A., University of Pennsylvania	Associate Professor, Accounting
WILLARD SWIFTSER B.S., United States Naval Academy M.A., Purdue University	Assistant Professor, Mathematics

GEORGE R. SWOYER B.S., La Salle College M.B.A., University of Pennsylvania	Associate Professor, Marketing
RALPH FEKL B.S., Brooklyn Polytechnic Institute M.S., Ph.D., Purdue University	Assistant Professor, Chemistry
RALPH R. THORNTON B.A., Washington College M.A., Ph.D., University of Pennsylvania	Assistant Professor, English
RICHARD D. TIKIOB, MAJOR, ARTY. B.A., University of Delaware	Assistant Professor, Military Science
REVEREND JOSEPH A. TRAVERS, O.S.F.S. B.A., Catholic University S.T.B., S.T.L., University of Fribourg, Switzerland	Assistant Professor, Theology
BROTHER LUKE TUPPENY, F.S.C. B.A., M.A., Catholic University M.A., La Salle College M.A., University of Notre Dame	Instructor, Theology
PETER VUJACIC Licence en Sciences, University of Strasbourg	Assistant Professor, Physics
BROTHER THOMAS WARNER, F.S.C. B.A., La Salle College B.S. in L.S., Drexel Institute of Technology	Director of Library
REVEREND VINCENT J. WATSON, O.P. B.A., University of Notre Dame S.T.B., S.T.L., Pontifical Institute of the Immaculate Conception	Instructor, Theology
ROBERT F. WEINMAN, C.P.A. B.S., La Salle College	Assistant Professor, Accounting
MINNA F. WEINSTEIN B.A., M.A., Ph.D., University of Maryland	Assistant Professor, History
FRANK WETZLER B.A., Villanova University M.A., Middlebury College	Associate Professor, German
CHARLES WHITE Diploma, Staatsakademie fur Musik, Vienna	Instructor, Music
JOHN CARROLL WHITE B.A., M.A., Catholic University	Instructor, Theology
BROTHER PHILIP WHITMAN, F.S.C. B.S., Loyola College M.A., La Salle College M.B.A., University of Pennsylvania	Assistant Professor, Accounting
SAMUEL J. WILEY B.S., St. Joseph's College M.A., Villanova University	Assistant Professor, Mathematics
BROTHER RAYMOND WILSON, F.S.C. B.A., University of Scranton M.S., University of Pennsylvania Ph.D., Georgetown University	Professor, Chemistry
MELVIN F. WOODS B.A., St. Vincent's College M.A., Temple University	Associate Professor, Finance

REVEREND JOHN E. WRIGLEY

A.B., M.A., St. Charles Seminary

M.A., Ph.D., University of Pennsylvania

CHARLES B. WURTZ

B.S., M.S., University of Pittsburgh

Ph.D., University of Pennsylvania

HARRY YOUNG

M.A., Honours, St. Andrews University

Assistant Professor, History

Assistant Professor, Biology

Visiting Lecturer, English

Index

	Page
Academic Administration	109
Academic Censure	39
Academic Standing	39
Acceptance Deposit	26
Accounting	95-96
Accreditation	2
Activities	15-16
Admission Requirements and Procedures	21-27
Advanced Placement	24
Advanced Standing	25
Application for Admission	25
Art	60
Arts and Sciences, School of	43 ff
Objectives	43
Programs	44 ff
Requirements	
Lower Division	32
Upper Division	32
Astronomy	52
Athletics	15
Attendance Policy	35
Automobiles	26
Awards and Honors	105-107
Bank Loan Plan	29, 30
Biology	46-48
Board of Managers	108
Bookstore	11, 29
Business Administration of College	110
Business Administration, School of	92 ff
Objectives	93
Programs	93 ff
Requirements	
Lower Division	32
Upper Division	32
Business Law	97
Campus and Buildings	9-11
Cars	26
Change of Program	33
Chemistry	49-50
Classical Languages	61-62
Classification of Students	36
College Administration	108-111
College Board Tests	22-25
Committees of Administration and Faculty	110-111

	Page
Comparative Literature	72
Core Curriculum	31
Costs	28-31
Counseling	13
Course Advisers	14
Course Numbering System	33
Credit, off-campus courses	40
Credit, Semester hour of	32
Cumulative Average	39
Degree Programs	13, 93
Degree Requirements	41
Dentistry, Preparation for	45
Deposits	26
Dining Services	27
Dismissal	40
Dormitories (See Residence Halls)	
Dramatics	16
Earth Science	51
Economics	53-54
Education	55-56
Employment, Student	14, 28
English	57-59
Entrance Requirements	21-23
Examinations	36
Examinations, Make-up	31, 36
Expenses	28-31
Expenses, Residence Hall	29
Faculty	13, 112-123
Fees, Installment-payment of	30
Fees, Penalty	30
Fee, Pre-College Counseling	29
Finance	97-98
Financial Aid (See Scholarships)	
Financial Arrangements	30
Fine Arts	60
Foreign Languages	61
Foreign Language Placement	44
Foreign Study	31
French	63-64
Freshman Composition Test	32
Freshman Counselors	14
Freshman Orientation	14
General Business	91
German	65-66
Grades	37
Graduation	31

	Page
Greek	61
Guidance	5, 13, 14
Health Insurance	29
History	73-75
History of the College	8
Honor List, Deans'	39
Honors	41
Honors Program	33, 39
Index, Scholarship	38
Industrial Relations	101
Industry	98-100
Infirmary	14
Insurance	101
Intramural Sports	15
Italian	67-68
Jobs	14, 28
Language Requirements	
For Admission	22
Languages	61-72
Classical	61-62
Modern	63-72
La Salle in Europe Program	34
Late Registration	27, 30
Latin	62
Law, Preparation for	45
Library	11
Linguistics	61-72
Loan Funds	29, 30
Map of Campus	10
Marketing	101-102
Mathematics	75-77
Medical Care	14
Medicine, Preparation for	44
Meteorology	52
Military Science	77
Modern Languages	63-72
Music	60
National Defense Student Loan	30
Objectives of the College	19
Philosophy	78-80
Physical Examination	14
Physics	80-82
Placement, Advanced	24
Placement Bureau	14
Political Science	82-84
Prizes and Awards	105-107

	Page
Probation	40
Psychology	84-86
Public Relations Administration	111
Recognition and Membership	2
Refunds	31
Registration	27
Requirements, Entrance	21-23
Reserve Officers' Training Program	34-35
Residence Halls	26-27
Resident Students	26-27
Russian	69
Scholarships	103-105
School of Arts and Sciences	43 ff
School of Business Administration	92 ff
Social Work, Preparation for	89
Sociology	87-89
Spanish	70-72
Special Students	32
Speech	58
Sports	15
Student Organizations and Activities	15-16
Student Personnel Administration	109
Summer School	34
Suspension	40
Teaching, Preparation for	45, 55-56
Telephone Calls	27
Theology	89-91
Transcripts	41
Transfer Students	25
Tuition	28
Withdrawals	41
Year Abroad Program	34

Since this catalogue will be a necessary source of reference throughout your four years at La Salle, it deserves a secure place on your bookshelf. Replacement of lost copies causes expenditures that should serve your education more directly.

While the announcements presented in these pages are as accurate as possible, the College reserves the right to make such changes as circumstances require.

LA SALLE COLLEGE CALENDAR 1967-68

FALL SEMESTER

1967 *September*

- 10 Freshman Residents Report
- 11-13 Registration for Upperclassmen
- 12-15 Orientation and Registration for Freshmen
- 18 Beginning of Classes

October

- 22 Honors Convocation

November

- 1 All Saints (Holyday)
- 6-10 Mid-Semester Examinations
- 23-24 Thanksgiving Holidays
- 27 Classes Resume

December

- 8 Immaculate Conception (Holyday)
- 15 Christmas Recess begins 4:30 P.M.

1968 *January*

- 3 Classes Resume
- 12-19 Semester Examinations

SPRING SEMESTER

January

- 23-26 Registration
- 29 Beginning of Classes, Second Semester

March

- 11-15 Mid-Semester Examinations
- 18 President's Holiday

April

- 11 Easter Recess begins Holy Thursday 4:30 P.M.
- 22 Classes Resume

May

- 7 ROTC Review (5th to 8th Periods)
- 15 Founder's Day (Holiday)
- 17-24 All Examinations
- 23 Ascension Day (*No Holiday*)

June

- 2 Commencement

